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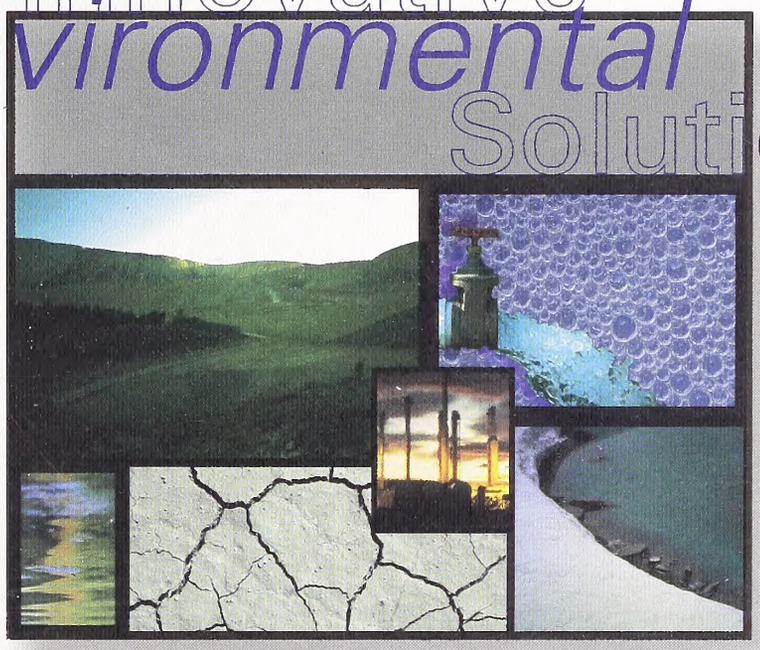

Lamefoot Project
Incremental Expansion
Hydrologic Impact Evaluation

AdrianBrown
Groundwater Hydrology • Geochemistry • Remediation

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Lamefoot Project
Incremental Expansion
Hydrologic Impact Evaluation

Prepared for:

Echo Bay Minerals Company
Lamefoot Project
Republic, Washington

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Project No. 1371A

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Attachment **Two** Model Results, Expected Case

[new]

Executive Summary

Echo Bay Minerals Company proposes to incrementally increase the size of the Lamefoot underground mine, in order to extract additional ore which lies contiguous with the currently-mined orebody. The incremental impact of this expansion to groundwater and to surface water resources has been evaluated, using the same modeling analysis method as was used for the impact evaluation and Finding of No Significant Impact presented in support of the earlier expansion of the mine below the 2,750 foot elevation.

The model used for computation of flows and impacts has been constructed using the known topography, geology, and meteorology of the area, including the two principal fault systems (the Wolf Camp Fault and the Curlew Fault), the known hydraulic conductivity of the different materials, and the heads measured in site and regional wells. Where there was uncertainty in any of the inputs, the values which would produce the maximum mine inflow and head impact were chosen from the measured ranges. The initial conditions predicted by the model have been calibrated against the observed water levels in the wells, by adjustment of hydraulic parameters of materials within their measured ranges. The model was then subjected to the hydrologic stresses imposed by mining, and the inflow and head response to mining was predicted.

In order to determine a conservative flow and impact, parameters and conditions selected for the analysis were chosen so as to maximize inflow and drawdown impact. The following assumptions were made:

1. Available infiltration to the ground surface from precipitation is assumed to be 2.8 inches per year, or approximately 20% of the incident precipitation, which is considerably in excess of expected infiltration of 5% to 10% of incident precipitation.
2. Faults in the system (particularly the Wolf Camp and the Gravel Pit fault) are assumed to have the highest hydraulic conductivity measured during the investigation.
3. The crown pillar has been, or will be, completely disturbed by mining; due to this assumed disturbance the crown pillar was assumed to have infinite hydraulic conductivity. This level of disturbance has not occurred at the mine, and may never be realized.
4. The mine backfill has or will have infinite hydraulic conductivity.

The conclusions of this conservative analysis of the effects of the incremental mining at the Lamefoot Project on groundwater flow and heads are as follows:

1. The maximum average groundwater inflow to the mine during mining is computed to be 115 gpm, of which approximately 19 gpm would pass through the crown pillar and approximately 96 gpm would enter the mine through the mine walls.
2. The maximum average groundwater flow through the mine after closure and refilling is computed to be 26 gpm, of which approximately 20 gpm would pass through the crown pillar, and 6 gpm would enter the mine through the wall rock.
3. The maximum area of the crown pillar that could be impacted by permanent post-mining water level reductions in excess of 10 feet is approximately 9.7 acres, assuming total disturbance of the crown pillar material.

1. Introduction

Echo Bay Minerals Company (Echo Bay) proposes to incrementally expand the Lamefoot Mine to access additional ore in the crown pillar and at the northern end of the current Level 6 mined zone, as well as perform some limited development on Level 7. A conservative evaluation of the groundwater inflow to, and groundwater impact resulting from, this proposed incremental expansion of the Lamefoot Mine has been performed, utilizing high estimates of infiltration, disturbance to the mine crown pillar, permeability of the Wolf Camp fault and the Gravel Pit fault, and backfill permeability. These estimates were used to evaluate flow and impact using a groundwater flow model calibrated against current water levels measured in wells in the vicinity of the mine. The analysis provides a conservative estimate of inflow and head impact which could result from the proposed expanded mine development. The conservatism of the analysis has been checked by performing an expected case analysis, using parameters based on field data collected during the past 4 years of mining at the site.

2. Method

The method for analysis which was used for this bounding estimate of hydrologic impact was the same as was undertaken for the prior evaluations (Echo Bay, 1997[1]). A summary of the prior evaluations is as follows:

1. The topography of the analysis domain was evaluated from USGS and Echo Bay topographic plans for the area. The analysis domain chosen is 3,000 acres, which was selected so that the boundaries of the domain extend beyond any location where impact could occur.
2. The geology of the groundwater flow system in the vicinity of the mine was developed from the detailed geological evaluation of the region performed by Echo Bay.
3. Geohydrological parameters were developed from a number of field programs performed to evaluate the hydrology of the groundwater system as part of the environmental evaluations performed at the site.
4. Meteorological parameters were obtained from local and regional weather stations.
5. A model of the mined area was developed, by subdividing the 3,000 acre domain into 6 layers to a total depth of 1,750 feet below ground surface.
6. The model was analyzed for groundwater flow and head for the period before, during, and after mining, using a finite element groundwater flow model[2].

---

[1] *Revised Impact Evaluation for the Proposed Expansion of the Lamefoot Mine*, Echo Bay Minerals Company, May, 1997, Appendix A: *Mine Refill Evaluation, Lamefoot Project, Echo Bay Mineral Company, Republic, Washington*, consultant report prepared by Adrian Brown Consultants, Schafer and Associates, and HydroGeo Consultants.

[2] Brown, A., and Hertzman, R.F., 1998. *ABCFEM: The Adrian Brown Consultants' Finite Element Method Flow and Solute Transport Model*, Version 5.0 Technical Specification, Verification, and User's Manual, Adrian Brown Consultants, Inc., Denver, March.

The revised evaluation model includes the following changes:

1. The model discretization was refined in the area of the mine, to allow a better representation of the groundwater flow conditions close to, and above, the mine. This was achieved by adding nodes and elements, while retaining the previous geological system.
2. The number of layers in the model was reduced to five, by amalgamating the fourth and fifth layers in the previous model (this was done to reduce the model size somewhat). The layers in this model are used to provide vertical discretization of the model domain, but do not necessarily represent geologically distinct zones. Material thickness is constant over each layer:

Layer 1:	50 feet
Layer 2:	100 feet
Layer 3:	200 feet
Layer 4:	400 feet
Layer 5:	1,000 feet

3. A separate fully penetrating fault zone was added to the model, running the full length of Wolf Camp Creek valley within the model domain, to represent the Gravel Pit fault. This fault zone was arbitrarily included at 10 feet width.
4. The effect of the Wolf Camp fault was included in the model by increasing the hydraulic conductivity of the fourth layer material in the vicinity of the portion of the fault which has been found to be more permeable than the country rock. The area affected is located to the west of Wolf Camp Creek.
5. The uppermost layer of the model was characterized in terms of the actual geological materials in the subsurface. In the previous model, the upper 50 feet were assumed to be the same material; to allow detailed evaluation of the impact of disturbance in the localized area of the mine, the materials in this layer were differentiated in the current model.

3. Model Construction

3.1 Geology

The geology used in the model construction has been developed by Echo Bay as part of the characterization of the project area performed during exploration and evaluation of the property. The Lamefoot gold deposit is hosted by a sequence of Permian volcanic siliciclastic rocks and limestones. The Permian host rocks have been folded, faulted, and weakly metamorphosed. They are locally intruded by Tertiary rhyodacite dikes and sills that post-date the gold mineralization. All faults appear to be healed and/or altered (Echo Bay, 1997).

This geological framework constitutes the basis for the development of the discretization used in the Lamefoot Model. The surface geology is made up of the following principal materials:

1. Limestone. This is a massive rock unit, subject to dissolution and limited karstification at or near outcrop. Except in these locations, and along faults, this unit is of low permeability. Ore emplacement has caused replacement of portions of this limestone with massive and vein sulfides.
2. Clastics. The volcanoclastic materials present at the site are mostly made up of latites, breccias, sills, and dikes. This unit is also massive, with limited fracturing and generally low permeability. In places, this material has been replaced by or displaced by massive iron sulfides, as a part of the ore-emplacement process.
3. Greenstone. To the west of the orebody is a greenstone unit. This material is predominantly lightly fractured, and of low permeability.
4. Alluvium. The western portion of the site is covered with a veneer of alluvial material, predominantly made up of glacial till and reworked glacial materials. Except in the valley of the Kettle River, and on the western flank of Wolf Camp Creek, this veneer is generally less than 10 feet thick.

With the exception of the alluvium, these geological units continue to considerable depth, with the contacts between them (generally unconformable) dipping generally to the west.

3.2 Structure

The principal Lamefoot project area structural elements are shown in Plate 1:

1. ANFO Fault. This is the principal ore-bearing structure, and cuts across the site area from southeast to northwest. It generally dips steeply to the west. The fault is typically healed, and does not appear to present a preferential conduit for flow.
2. Wolf Camp Fault. The Wolf Camp fault lies sub-parallel to the ANFO fault. It is associated with orebody emplacement, in particular at the northern end of the orebody. The fault has variable permeability; in general it has relatively low hydraulic conductivity (in the order of 100 ft/yr over limited sections), but in close proximity to the orebody it is of higher conductivity (as high as 1,100 ft/yr over a five foot section).
3. Gravel Pit fault. The gravel pit fault lies along Wolf Camp Creek, and appears to explain the presence of the topographic expression of the creek. It is generally not known to be significantly more permeable than the host rock in which it is located.
4. Curlew Lake Fault. The Curlew Lake fault appears to be a regional fault, bounding on the east the Kettle River Valley, which is a complex graben structure. Little is known about the permeability of this feature. In general, to the west of the fault the alluvial and glacial material is thicker than to the east.

In addition to these major features, there are a large number of more minor structural features. In general these do not appear to act as conduits for groundwater flow.

3.3 Parameters

The primary evaluation of the inflow to the incrementally expanded mine comprises a conservative estimate of hydrologic impact, which assumes conditions of high infiltration rates, complete disturbance of the mine crown pillar, and the presence of high-permeability faults associated with the orebody and Wolf Camp Creek in order to maximize the computed flow into the mine during operation, and through the backfilled mine void after mining. The effect of these assumptions is to provide a conservative evaluation for an unlikely combination of extreme conditions. An expected-case analysis also has been performed to evaluate the sensitivity of the computed results to the assumptions made in determining the conservative case. The parameters used for both analyses are described below, together with a discussion of possible variability of the parameters.

3.3.1 Infiltration to the ground surface

The infiltration to the ground surface which is used in the analysis is 2.8 inches/year (SCS runoff equation, D. Maidment, 1993[3]), which represents approximately 18% of the 15 to 16 inches of total incident precipitation (Echo Bay, 1997) that occurs at the mine site. This is generally sufficient to cause saturation of the rockmass up to the ground surface, which is observed in the well data. The infiltration is considered to be a conservatively high amount; normal infiltration in this area would be expected to be in the range of 5% to 10% of incident precipitation, or approximately 1.5 inches per year. This lower value has been used in the expected case.

3.3.2 Rockmass conductivity

The hydraulic conductivity of the rockmass has been measured by a large number of tests, conducted from underground and from the surface (Echo Bay, 1997; HydroGeo, 1998[4]). The reasonable upper bounds of these values for different rockmass types are as follows:

Table 1. Material Hydraulic Conductivities

Material	Shallow Material (<750 ft)	Deep Material (>750 ft)
Clastics/greenstone east of Wolf Camp Creek	0.25 ft/yr (2.5 x 10^{-7} cm/sec)	0.1 ft/yr (1 x 10^{-7} cm/sec)
Limestone east of Wolf Camp Creek	0.5 ft/yr (5 x 10^{-7} cm/sec)	0.2 ft/yr (2 x 10^{-7} cm/sec)
Altered Limestone Orebody	0.5 ft/yr (5 x 10^{-7} cm/sec)	0.2 ft/yr (2 x 10^{-7} cm/sec)

For rock at depth, the conductivity values were reduced to reflect expected reduction of conductivity due to increasing overburden stress. This reduction was required in part to achieve a reasonable calibration of the model results to the observed flows and heads.

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[3] *Handbook of Hydrology*, David R. Maidment, ed. McGraw-Hill, Inc., 1993

[4] *North Lamefoot Hydrogeologic Study, Echo Bay Minerals, Kettle River Operations, Lamefoot Mine, Republic, Washington*, report prepared by HydroGeo Consultants, Inc., dated January 10, 1998.

3.3.3 Wolf Camp fault conductivity

The Wolf Camp Fault passes to the immediate west of the proposed incrementally expanded mine. Testing of the fault zone has produced a variety of results, with the highest reported test hydraulic conductivity being approximately 1,100 ft/yr (10^{-3} cm/sec) for a reported 5 foot wide fractured zone in LF-14 (Appendix C, this report). All other reported hydraulic conductivity values for the Wolf Camp Creek fault are lower than this value; the mean hydraulic conductivity of the ANFO and Wolf Camp fault intersections is estimated as being 100 ft/yr. The model of the system includes the Wolf Camp Creek fault as a dipping feature west of the mine, within the fourth layer of the modeled material. In order to include this feature in the fourth layer, the effective hydraulic conductivity of the portion of the layer was increased, using the following formula:

$$K_{eff} = (K_{rock} * Thickness_{rock} + K_{fault} * Thickness_{fault}) / (\text{Total Layer thickness})$$

The effective hydraulic conductivity of this unit in the locations where it includes a five foot section of the highest permeability section of the Wolf Camp fault is computed as follows:

$$K_{eff} = (1 \text{ ft/yr} * 395 \text{ ft} + 1{,}100 \text{ ft/yr} * 5 \text{ ft}) / (400 \text{ ft}) = 14.7 \text{ ft/yr}$$

A value of 15 ft/yr was used in the conservative impact model. This is approximately 7 times higher than the effective hydraulic conductivity for the expected case, given by:

$$K_{eff} = (1 \text{ ft/yr} * 395 \text{ ft} + 100 \text{ ft/yr} * 5 \text{ ft}) / (400 \text{ ft}) = 2.23 \text{ ft/yr}$$

In the expected-case model, a horizontal hydraulic conductivity value of 2 ft/yr was used to include the effects of a dipping fault through the layer.

3.3.4 Gravel Pit Fault

In order to consider the possibility that a preferential flow conduit may exist from the mine to Curlew Lake, the model includes a fully penetrating feature, extending from the north boundary of the modeled domain to Curlew Lake. It is included in the model at a width of 10 feet. The upper bound hydraulic conductivity for this feature has been selected to be 1,000 feet per year, creating a transmissivity (hydraulic conductivity times thickness) of 1,000 ft/yr over 10 feet or 10,000 ft^2/yr for the fault feature which is approximately two times higher than the highest value ever reported (1,100 ft/yr over 5 feet or 5,500 ft^2/yr). Selection of a higher conductivity has been shown to actually reduce the inflow to the mine, due to diversion of regional groundwater away from the mine by the fault; sensitivity evaluation indicates that the selected hydraulic conductivity for this fault produces approximately the highest flow to and through the mine void.

3.3.5 Crown pillar conductivity

The crown pillar is made up of altered limestone, clastics, and limestone. The hydraulic conductivity of this material in its undisturbed (pre-mining) state is the same as the conductivities for the corresponding geological materials presented above. It is possible that some disturbance of this material may occur when

the mining takes place (CANMET, 1997[5]), and that this disturbance may cause some modification of the hydraulic conductivity of the crown pillar material. In order to include all possible subsidence results in this bounding or reasonable worst-case hydrologic evaluation, it is assumed that the crown pillar material above the total footprint of the mine void is or will become sufficiently disturbed to eliminate any significant hydraulic resistance from the material. Accordingly, in the mining and post-mining periods, the hydraulic conductivity of the crown pillar material has been assumed to be infinite[6]. Subsidence does not necessarily result in increased hydraulic conductivity. The actual conductivity of this material will be less than the assumed value.

3.3.6 Backfill

After extraction of ore, some of the stope openings will be backfilled with either cemented or uncemented backfill materials. These materials will provide support for adjacent mining, and neutralizing material to mitigate acid formation within the mine. From a hydraulic point of view, the backfill will have the effect of reducing the hydraulic conductivity of the filled voids. The resulting effective hydraulic conductivity of the partially backfilled mine is difficult to evaluate. Because the backfilling program does not backfill the access excavations, and because unbackfilled access drifts will remain in the mine after closure, it is assumed in all analyses that all the materials within the boundary of the mined orebody (including unmined ore, unmined pillars, backfilled stopes, development drifts, and all other mine elements) are infinitely permeable. This assumption is made in order to ensure that the analysis of flows into and through the mine void is conservative (that is, produces a high estimate of inflow and throughflow). It is equivalent to an assumption of total extraction of all material within the envelope of the mined orebody, with no backfilling, grouting, or any other flow control, and is modeled in this fashion.

3.4 Boundary conditions

The boundary conditions that were used are described below.

3.4.1 Upper surface

The upper surface of the domain was modeled as "swamping". This is a type of boundary condition which imposes the following constraints:

1. If the head elevation at the node is lower than the elevation of the top of the layer at the node, then the node is a continuity node[7] (that is the head is not fixed, and mass balance is maintained at the node).

---

[5] *Review of the Impact of Mining on the Shallow Rock Mass at the Lamefoot Mine, Washington State - Phase II: Numerical Modelling and Analysis of Rock Mass Displacements and Subsidence*, Mining and Minerals Sciences Laboratory, July, 1997.

[6] As a modeling matter, in the mining and post-mining evaluation the crown pillar material has been removed from the model over the footprint of the mine, and the direct infiltration which would occur over that material has been directly input into the mine void.

[7] The term "continuity" node is used in ABCFEM to denote a node at which net flow is zero. These nodes are sometimes called "no-flow" nodes in other codes; this is potentially misleading, in that there is in general flow through such nodes, but no flow gain or loss at the nodes.

2. If the head elevation at the node would rise above the elevation of the top of the layer at the node, then the head is fixed at the head elevation equal to the top of the layer at the node, and any flow which emerges from the node is allowed to flow to the next downstream node in the mesh[8].

3.4.2 Other outer surfaces

The sides and bottom of the analyzed domain are continuity nodes. This ensures that no flow enters or leaves the domain via these boundary nodes.

3.4.3 Mine walls

The internal mine walls are modeled as fixed head surfaces during the mining and post mining phases of the analysis. During mining, all in-mine nodes are set at a head equal to the elevation of the base of the layer at the location of the node. Flow which exits from the mesh at these nodes is directed to specific sinks, which total the water flow. The water so removed is eliminated from the modeled system (that is, is not re-injected into the model domain). If flow from the void into the mesh would occur at any node due to the fixing of the head in this way, the node is converted to continuity.

After mining, the in-mine nodes are set at a head equal to the greater of the elevation of the base of the layer or the elevation of the point of discharge from the mine, which in this case is an elevation of 2,760 feet AMSL[9]. This implies that the mine void will fill to this head throughout.

3.4.4 Analysis method

The analysis method used was to analyze all cases as "quasi-unconfined". The approach is the equivalent of an unconfined analysis, in which the geometry of the flow system (and the transmissivity) is not modified as a result of the drawdown which occurs. This approach is taken to overcome the computational problems associated with very large changes in the head which occur in the vicinity of the mine due to the mine excavation and dewatering process.

In this analysis process, the following approach is used:

1. The transmissivity of all "layers" are held constant, regardless of the location of the computed top of the zone of saturation.
2. The drainable porosity of the system is included in the top layer, which always remains (in this case) as the top 50 feet of the analyzed zone, regardless of drawdown.
3. The elevation to which the mine void draws down the head in the material immediately adjacent to the mine is the same for the top three layers (the layers which are intersected by the mine).

This approach has the effect of moving the layered geometry in concert with the movement of the water table[10]. Layer 1 remains the top 50 feet of saturated material, regardless of the location of the water table.

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[8] The downstream node is defined by the node link, which is input by the analyst or can be automatically established by the code.

[9] The discharge point in this case is the lowest point on Wolf Camp Creek which is underlain by the mine, which is node # 89 in the mesh.

In circumstances where the principal result of operational activities is drawdown, this approach results in a maximization of the estimated drawdown impact and the flow to the mine for any given set of parameters.

4. Conservative Case

4.1 Calibration

4.1.1 Method of calibration

The model was calibrated by comparing the heads computed by the model at points where heads have been directly measured in the field, and adjusting parameters in the model until the modeled heads reasonably reproduced the measured values. In addition, the quality of the calibration was checked by comparing the measured flow conditions in the mine and at the Wolf Camp spring with the model-predicted flows at those locations.

4.1.2 Calibration water levels

The water levels in the rockmass in the vicinity of the mine have been monitored for some years. The results of that monitoring are presented by HydroGeo (1998). All of the data[11] has been used as calibration targets for the pre-mining and during-mining conditions for the model. A graphical presentation of the current water levels in the vicinity of the project are presented in HydroGeo (1998). For the most part, the water levels are close to the ground surface, except in locations immediately above the mine, where the water is already drawn down by the current mine workings, and to the west of the Wolf Camp Creek fault, where the water levels appear to be influenced by the presence of several north-south trending faults.

4.1.3 Head calibration results

For the conservative case, the model was run in the pre-mining condition with the known geology and measured hydraulic conductivities. The hydraulic conductivity of the rockmass was increased to the highest values which were within the range of measured values for each rock type, and would also allow calibration of the predicted mining heads with the measured head data. The head results of the calibration

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[10] When reviewing the printed results of the analysis, it should be noted that the location of each node is reported as its starting (pre-analysis) location. The code does not physically move the nodes in concert with the movement of the water table, but does maintain a constant thickness for the unit. Accordingly, at some nodes, the piezometric head may be reported as falling below the reported base of the material which occurs at the location of the node. The layer material does, however, remain fully saturated at all times in the analysis.

[11] The water level in well LF-13 has been rising since its installation, due to the extremely low permeability of the material in which it is completed. The water level used for this well (2,692.22 feet AMSL) is considered to be at or close to the equilibrium level, but may be lower than the final equilibrium level. It is also likely that the final level may be influenced by the nearby mining activity which has occurred as part of the development of the Lamefoot mine.

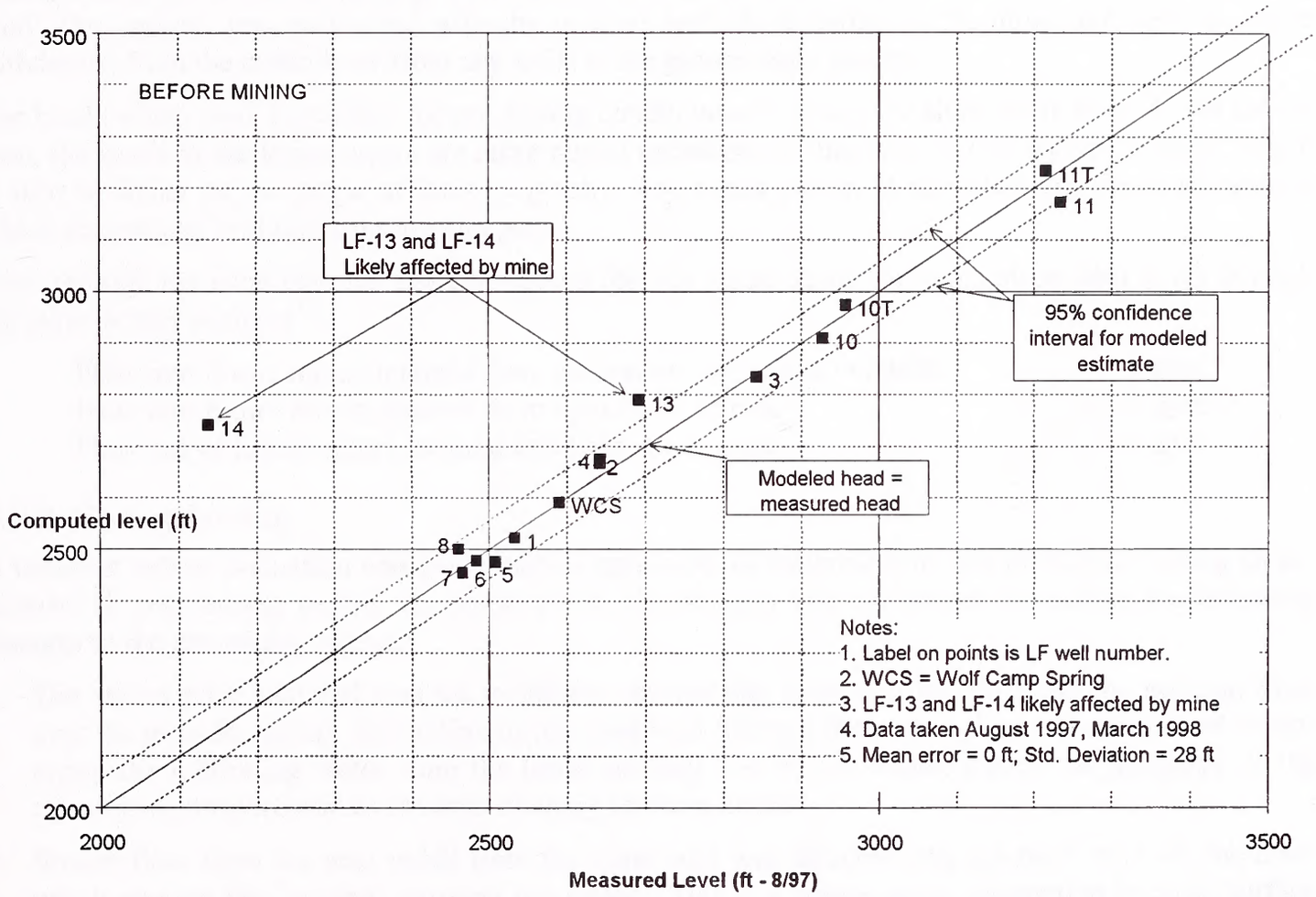
using data taken in November, 1997, and March, 1998 are shown in Plate 6 for the top layer of the analysis. The head data are also presented in Table 2.

For the conservative case, the mean difference between measured and computed head is 0 feet, and the standard deviation is 28 feet; the head range is 774 feet so the deviation represents 4% of this difference. The results of the calibration are presented in terms of modeled heads plotted against measured heads in Figure 1. This calibration is considered good for a regional model. The calibration targets and the computed heads in each of the layers of the model are presented in Plate 7. These show that the fit between modeled and observed heads in the model is generally good. Levels modeled in LF-11 are substantially lower than measured; it is not clear why the water level at LF-11 (completed between 625 and 650 feet below ground surface) is above the ground surface.

Table 2. Conservative Case Head Calibration

Location	Depth	Measured	Date	Modeled	Difference	Comments
LF-	feet	feet		feet	feet	(Difference = actual - modeled)
1	10-25	2533	3/10/98	2523	-10	Layer 1
2	21-36	2642	3/10/98	2668	26	Layer 1
3	510-530	2842	3/10/98	2836	-6	Layer 4
4	318-338	2643	3/10/98	2675	32	Layer 3
5	5-15	2508	3/10/98	2476	-32	Layer 1
6	201-221	2483	3/10/98	2478	-5	Layer 3
7	44-54	2465	3/10/98	2455	-10	Layer 1
8	48-58	2460	3/10/98	2501	41	Layer 1
10	620-720	2927	8/12/97	2911	-16	Layer 4; no access 9/97-3/98
10T	7-20	2957	8/12/97	2975	18	Layer 1; no access 9/97-3/98
11	625-650	3234	8/12/97	3173	-61	Layer 4; no access 9/97-3/98
11T	25-38	3215	8/12/97	3234	19	Layer 1
13	1055-1105	2692	3/5/98	2791	99	Layer 5; affected by mine
14	1170-1200	2138	3/5/98	2742	604	Layer 5; affected by mine
WCS		2590	3/5/98	2592	2	Layer 1; Wolf Camp Spring
Average					0	Excluding LF-13, -14
St.Dev					28	Excluding LF-13, -14
	Range:	774		Variance:	4%	Excluding LF-13, -14

Figure 1. Calibrated Model Head Comparison



4.1.4 Flow calibration results

Flow calibration in this model is relatively difficult, as a result of the observation that there is little flow at the surface in the pre-mining condition. Observed flow at the Wolf Camp spring averages 17 gpm, with a range from 90 gpm to 2 gpm; the model flow at this point is 62 gpm (on an annual average basis), which appears to be somewhat high, suggesting that the 2.8 in/yr infiltration used in the conservative model is high.

4.2 Periods evaluated

Three periods of interest in the mining project were evaluated using the calibrated model: before mining, during mining, and after mining.

4.2.1 Before mining

The pre-mining evaluation was run to evaluate the conditions prior to mining. This run was performed both for calibration, as well as to provide the baseline against which drawdown in later cases was measured. The analysis was performed with the original orebody materials in the mine, and with no water withdrawal from the orebody or from any wells in the groundwater system.

The heads which were computed for pre-mining conditions are shown for all layers in Plate 7. As can be seen, the heads in the lower layers are more muted reflections of the head in the uppermost layer, which in turn is similar to the shape of the topography. The heads shown in this plate are the heads against which drawdowns in future runs are computed.

Flow through the mine void has been computed for this phase, again for comparison with flows through the mine in later analyses[12]:

Flow into future mined material from infiltration through crown pillar	1 gpm
Flow into future mined material from upgradient to east	2 gpm
Flow out of future mined material into bedrock to west	3 gpm

4.2.2 During Mining

A transient inflow evaluation was performed to represent the maximal flow and drawdown during an estimated 10 year mining period. As noted above, the analysis was performed by making the following changes to the pre-mining system:

1. The crown pillar material was set to infinite permeability (achieved by removing the material from over the mine footprint). Infiltration to the mine void through the crown pillar was maintained by applying the infiltrating water from the (now missing) area to the nodes around the periphery of the mined area, proportional to the area tributary to those nodes.
2. Stream flow from the area uphill from the mine void was directed into the mine void via the node which was on the "stream" carrying the water. This is a conservative assumption because surface runoff is diverted around the mine footprint.
3. The mined material was also removed from the model, creating an infinite permeability backfill material. No nodes were eliminated, so all water entering the mine void was directed to the pumping system (a sink).
4. Water entering the mine void was pumped out of the mine (and out of the model, meaning that the water was completely removed from the domain).
5. As noted above, during mining, all in-mine nodes are set at a head equal to the elevation of the base of the layer at the location of the node.
6. The analysis was performed for a period of 10 years, to reflect the mining period. Specific yield parameters were selected for all materials in the uppermost layer, based on reasonable values; alluvium:

[12] Flows are reported to nearest gallon per minute.

10%; bedrock (all types) 0.5%. All other rock types were given a specific storage of 10^{-7} per foot for deeper layers, reflecting the very low permeability which these rocks exhibit.

The results of the analysis of the impact of mining are as follows.

The estimated conservative estimate of flow to the mine was:

Total flow to mine void through crown pillar	19 gpm
Total flow into mined void from mine walls (ribs)	96 gpm
Total flow into mine from all sources	115 gpm

The actual flow to the mine is measured currently. The actual average flow to the mine over the last two years has been approximately 15 gpm, with peak springtime flows in the 50 gpm range (Table 3), and low flows in the 5 gpm range. This suggests that the "conservative" analysis over-estimates flow to the mine by approximately 8 times. avg.

Table 3. Inflow to the Lamefoot Mine 1996-97

MONTH	1996 gpm	1997 gpm	Average gpm
January	5	5	5
February	5	5	5
March	38	12	25
April	38	42	40
May	42	15	28
June	59	31	45
July	17	19	18
August	8	8	8
September	5	5	5
October	5	5	5
November	5	5	5
December	5	5	5
Average	**19**	**13**	**16**

The head conditions at the end of mining is shown for the uppermost layer in Plate 8. Included on this plate are the heads measured in monitoring wells located around the mine. As can be seen, the head drawdown around the mine are relatively localized, which is consistent with the currently-observed condition. The head conditions in all layers are presented in Plate 10. This plate shows that the head in lower layers are similar to the head in the surface layer, with greater head impact with depth in the mine, and some effect of the mining being transmitted vertically downward to the more highly-confined lower layers not directly drained by the mine.

The mining creates drawdown around the mine during the operational period. The drawdown created at the end of mining is illustrated for the upper layer in Plate 9. This plate shows that the drawdown does

not extend to any of the identified wetland areas around the mine. As a result, no wetland impact is expected. Drawdowns are likely over-estimated by this analysis, as a result of the high inflow to the mine, the low selected specific yield of the surface materials, and the low specific storage of the deeper rock materials.

4.2.3 After mining

The conservative evaluation of the post-closure impact was modeled using the same assumptions as the mining case (infinite crown pillar conductivity, mined void material removed), but does not involve pumping the inflowing water out of the mine. The water is allowed to pool in the mine void, until the outflow from the mine equals the inflow to the mine. Evaluation of the results indicates that essentially all the outflow from the mine exits to Wolf Camp Creek via the Wolf Camp and Gravel Pit faults, which directly abut the mine. The dimensions of this portion of the faulted system are 280 feet long, 50 feet high, and 10 feet wide.

The analysis was run to steady state, which ensures that the maximum head impact resulting from the mine will be included in the analysis.

The estimated conservative estimate of flow to the mine was:

Total flow to mine void through crown pillar	20 gpm
Total flow into mined void from mine walls (ribs)	5 gpm
Total flow into mine from all sources	25 gpm
Total flow out of mine via Wolf Camp/Gravel Pit faults	25 gpm
Total flow out of mine via mine wall outflow	0 gpm

This mine inflow is expected to be over-estimated by as much as 8 times, based on the during-mining analysis presented above.

The predicted head conditions at the end of the mine has refilled, and the groundwater system has reached its steady state condition, are shown for the portion of the uppermost layer adjacent to the mine in Plate 11. Included on this plate are the heads currently measured in monitoring wells located around the mine. As can be seen, the head drawdowns around the mine are relatively localized, which is consistent with the currently-observed condition. The head conditions in all layers are presented in Plate 13. This plate shows that the heads in lower layers are similar to the head in the surface layer, with greater head impact with depth in the mine, and some effect of the mining being transmitted vertically downward to the more highly-confined lower layers not directly drained by the mine.

The mining creates drawdown around the mine after the operational period. The drawdown created after mining is illustrated for the upper layer in Plate 12. This plate shows that the drawdown does not extend to any of the identified wetland areas around the mine. As a result, no wetland impact is expected. Drawdowns are likely over-estimated by this analysis, as a result of the high inflow to the mine, the low selected specific yield of the surface materials, and the low specific storage of the deeper rock materials.

The area impacted by drawdown greater than 10 feet in the crown pillar material (that is any material above the footprint of the mine voids) is approximately 9.7 acres[13]. This area is shown on the detail presented in Plate 12. Head changes due to the mine dewatering and post-mining flow do not propagate far in the system, due to the low permeability of the surrounding rockmass, and the presence of infiltration from surface. No wetland area appears to be capable of being impacted by the maximal head changes computed in this analysis.

4.2.4 Summary

The results of the evaluation of the conservative case are as follows:

1. Drawdown. No significant drawdown will occur in groundwater resources in the vicinity of the mine during or after mining, due to the low permeability of the rocks in which the mining is being performed. No wetland areas will be impacted as a result of the development of the mine. but map on plate 5
2. Flow. The conservative estimate of flow to the mine is presented in Table 4. Flows appear to be overestimated by approximately 8 times.

Table 4. Computed Conservative Case Flows

Location	Before (gpm)	During (gpm)	After (gpm)
Crown Pillar	1	19	20
Lower	2	96	6
Total	3	115	26
Outflow to mesh	3	0	0

5. Expected Case

In order to provide some measure of the degree of conservatism inherent in the above conservative case, an "expected case" for the mine impact has been developed. This case differs from the conservative case in the following respects:

1. The infiltration rate to the ground surface has been reduced to a more expected level of 1.5 inches per year, or approximately 10% of the incident precipitation.
2. The average hydraulic conductivity of the fault features has been reduced to the approximate mean conductivity measured in the field, that is 100 ft/yr.

[13] This is the area of the footprint of the proposed incrementally expanded mine. The assumption that the crown pillar has infinite permeability results in essentially all the crown pillar being subject (in this analysis) to drawdown in excess of 10 feet. It is not expected that this area of pillar will actually desaturate in the real mine setting, and it does not appear that the entire crown pillar has desaturated in the current mine.

The analysis continues to assume that the hydraulic conductivity of the crown pillar and the backfill material is infinite, so it is in that respect still somewhat conservative.

5.1 Calibration

The expected case was calibrated by computing the pre-mining heads, and comparing the computed values to the measured values. No additional changes in the model parameters were made for this case over the calibration activity performed for the conservative analysis. The results are presented in Table 5. For the expected case, the mean difference between measured and computed head is -2 feet, and the standard deviation is 31 feet; the head range is 663 feet so the deviation represents 5% of this difference. This calibration is still good for a regional model.

5.2 Summary of results

The results of the evaluation of the expected case are as follows:

1. Drawdown. No significant drawdown will occur in groundwater resources in the vicinity of the mine during or after mining, due to the low permeability of the rocks in which the mining is being performed. No wetland areas will be impacted as a result of the development of the mine. The expected case drawdown impacts are similar to those computed for the conservative case[14].
2. Flow. The expected-case estimate of flow to the mine is presented in Table 6.

[14] This is a result of two countervailing changes: a reduction in the conductivity of the faults, coupled with a decrease in the infiltration rate to the surface of the modeled domain.

Table 5. Calibration Results for the Expected Model

Location	Depth	Measured	Date	Modeled	Difference	Comments
LF-	feet	feet		feet	feet	
1	10-25	2533	3/10/98	2513	-20	Layer 1
2	21-36	2642	3/10/98	2668	26	Layer 1
3	510-530	2842	3/10/98	2853	11	Layer 4
4	318-338	2643	3/10/98	2692	49	Layer 3
5	5-15	2508	3/10/98	2461	-47	Layer 1
6	201-221	2483	3/10/98	2466	-17	Layer 3
7	44-54	2465	3/10/98	2438	-27	Layer 1
8	48-58	2460	3/10/98	2484	24	Layer 1
10	620-720	2927	8/12/97	2921	-6	Layer 4; no access 9/97-3/98
10T	7-20	2957	8/12/97	2975	18	Layer 1; no access 9/97-3/98
11	625-650	3234	8/12/97	3174	-60	Layer 4; no access 9/97-3/98
11T	25-38	3215	8/12/97	3234	19	Layer 1
13	1055-1105	2692	3/5/98	2809	117	Layer 5; affected by mine
14	1170-1200	2138	3/5/98	2741	603	Layer 5; affected by mine
WCS		2590	3/5/98	2592	2	Layer 1; Wolf Camp Spring
Average					-2	Excluding LF-13, -14
St.Dev					31	Excluding LF-13, -14
	Range:	663		Variance:	5%	Excluding LF-13, -14

Table 6. Computed Expected-Case Flows

Location	Before (gpm)	During (gpm)	After (gpm)
Crown Pillar	1	8	9
Lower	2	38	4
Total	3	46	13
Outflow to mesh	3	0	0

6. Conclusions

The conclusions of this analysis of the effects of mining on groundwater flow at the Lamefoot project are as follows:

1. The conservative estimate of groundwater flow to the mine during mining is 115 gpm, of which approximately 19 gpm would pass through the crown pillar and 96 gpm would enter

the mine through the mine walls. This flow assumes total disturbance of the crown pillar material and high hydraulic conductivity values for the fault zones.

2. The maximum groundwater flow for the conservative case through the mine after closure and resaturation is computed to be 26 gpm, assuming total disturbance of the crown pillar by mining and no resistance to flow in the mine backfill. Of this inflow, approximately 20 gpm is computed to pass through the crown pillar, and 6 gpm is computed to enter the mine through the wall rock.
3. The expected-case estimate of groundwater flow during mining is 46 gpm, of which 8 gpm would pass through the crown pillar and 38 gpm would enter the mine through the mine walls. This flow assumes total disturbance of the crown pillar material and average hydraulic conductivity values for the fault zones.
4. The maximum groundwater flow for the expected case through the mine after closure and resaturation is computed to be 13 gpm, assuming total disturbance of the crown pillar by mining and no resistance to flow in the mine backfill. Of this inflow, approximately 9 gpm is computed to pass through the crown pillar, and 4 gpm is computed to enter the mine through the wall rock.
5. The area of rock which may be impacted by permanent post-mining water level reductions in excess of 10 feet is approximately 9.7 acres, assuming total disturbance of the crown pillar materials.
6. No drawdown-related groundwater impact is expected on any location adjacent to the mine which has been identified as a wetland.
7. The conclusions of the evaluation of impact using the calibrated model are not significantly affected by large changes in the permeability of faults along Wolf Camp Creek valley, or the rate of infiltration of precipitation.

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ECHO BAY MINERALS

MODEL DOMAIN AND DISCRETIZATION

REVISIONS

DESCRIPTION	DATE	APPROVED

ERRY COUNTY, WA

0 500 1000

SCALE IN FEET

WW	DATE:	04/22/98
VS	DATE:	04/22/98
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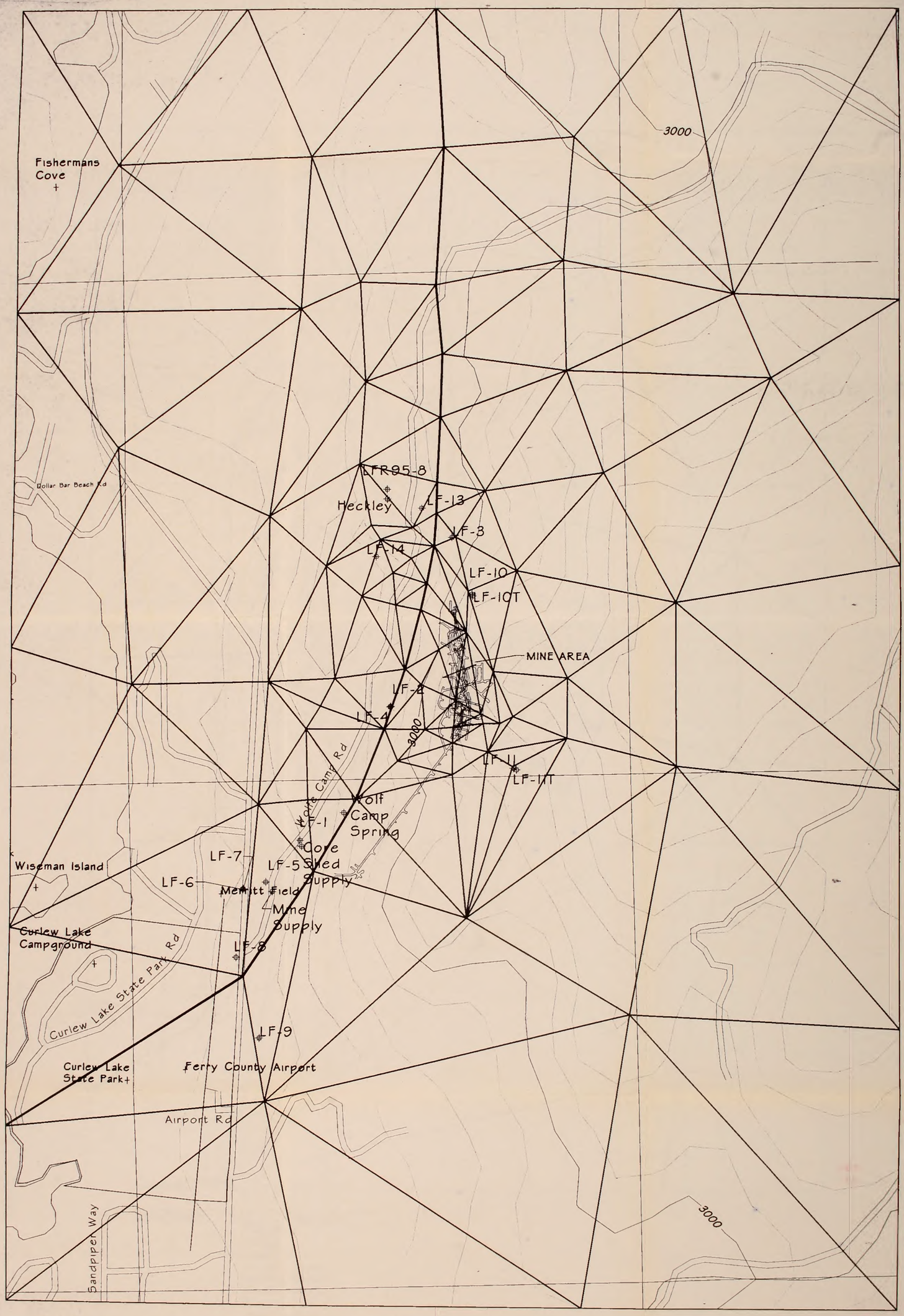
1



EXPLANATION

MODEL ELEMENT

LF-8 EXISTING WELL

ECHO BAY MINERALS

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MODEL DOMAIN AND DISCRETIZATION

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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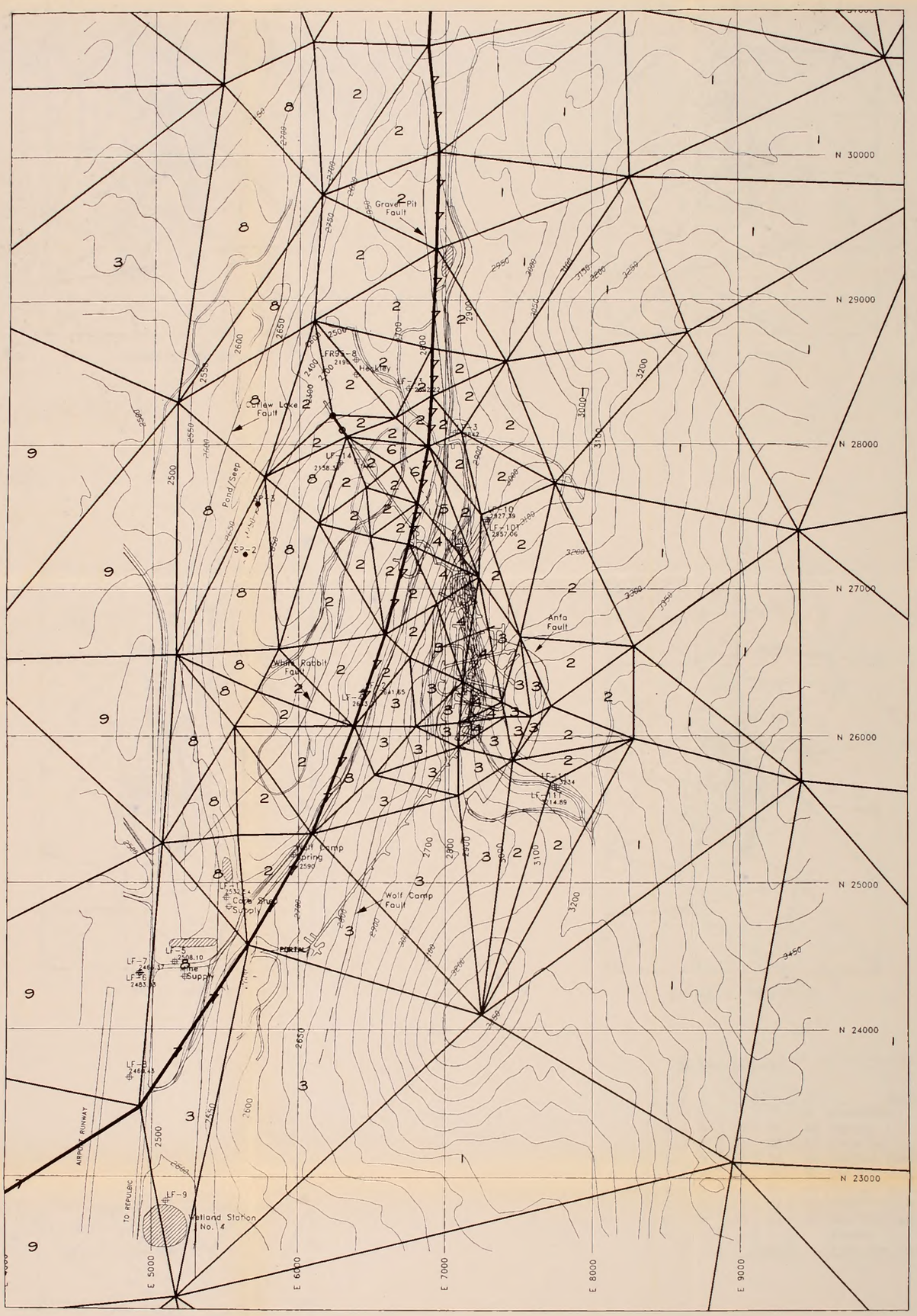

Material Number	Description
1	Greenstone
2	Clastics
3	Limestone
4	Ore Body (South)
5	Ore Body (Center)
6	Ore Body (North)
7	Gravel Pit Fault
8	West Limestone
9	Alluvium

EXPLANATION

6	MODEL ELEMENT AND MATERIAL NUMBER
LF-5	Well Location
2520	Water Level Elevation (March, 1998)
SP-2	Spring Location
	Fault
	Wetland

DRAFT

ECHO BAY MINERALS

MODEL DISCRETIZATION AND MATERIALS IN MINE VICINITY, TOP MODEL LAYER

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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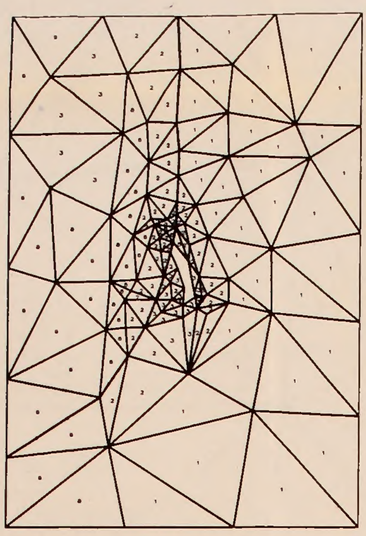
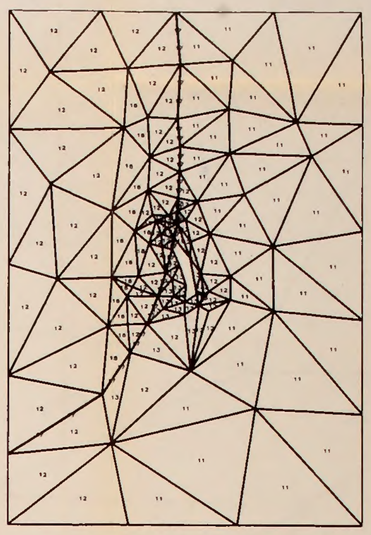


LAYER 1: 0'-50'



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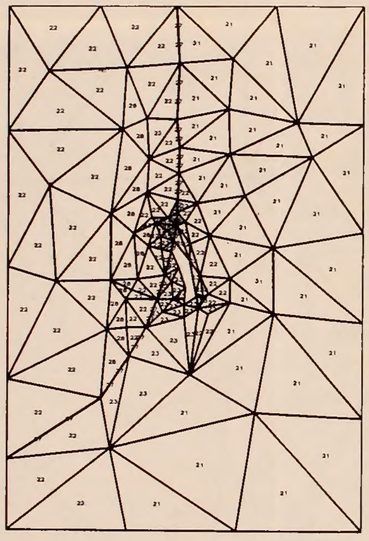

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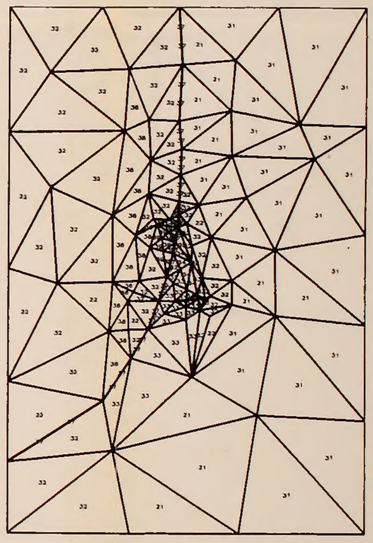
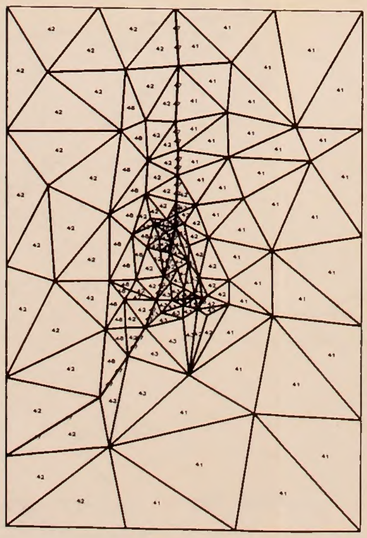


LAYER 1: 350'-750'

Material Number by Layer					Description
1	2	3	4	5	
1	11	21	31	41	Greenstone
2	12	22	32	42	Clastics
3	13	23	33	43	Limestone
4	14	24	34	44	Ore Body (South)
5	15	25	35	45	Ore Body (Center)
6	16	26	36	46	Ore Body (North)
7	17	27	37	47	Gravel Pit Fault
8	18	28	38	48	West Limestone
9					Alluvium
			39		Wolfe Camp Creek Fault Zone



LAYER 1: 750'-1750'

EXPLANATION

MODEL ELEMENT AND MATERIAL NUMBER

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ECHO BAY MINERALS

MODEL DISCRETIZATION AND MATERIALS IN ALL MODEL LAYERS

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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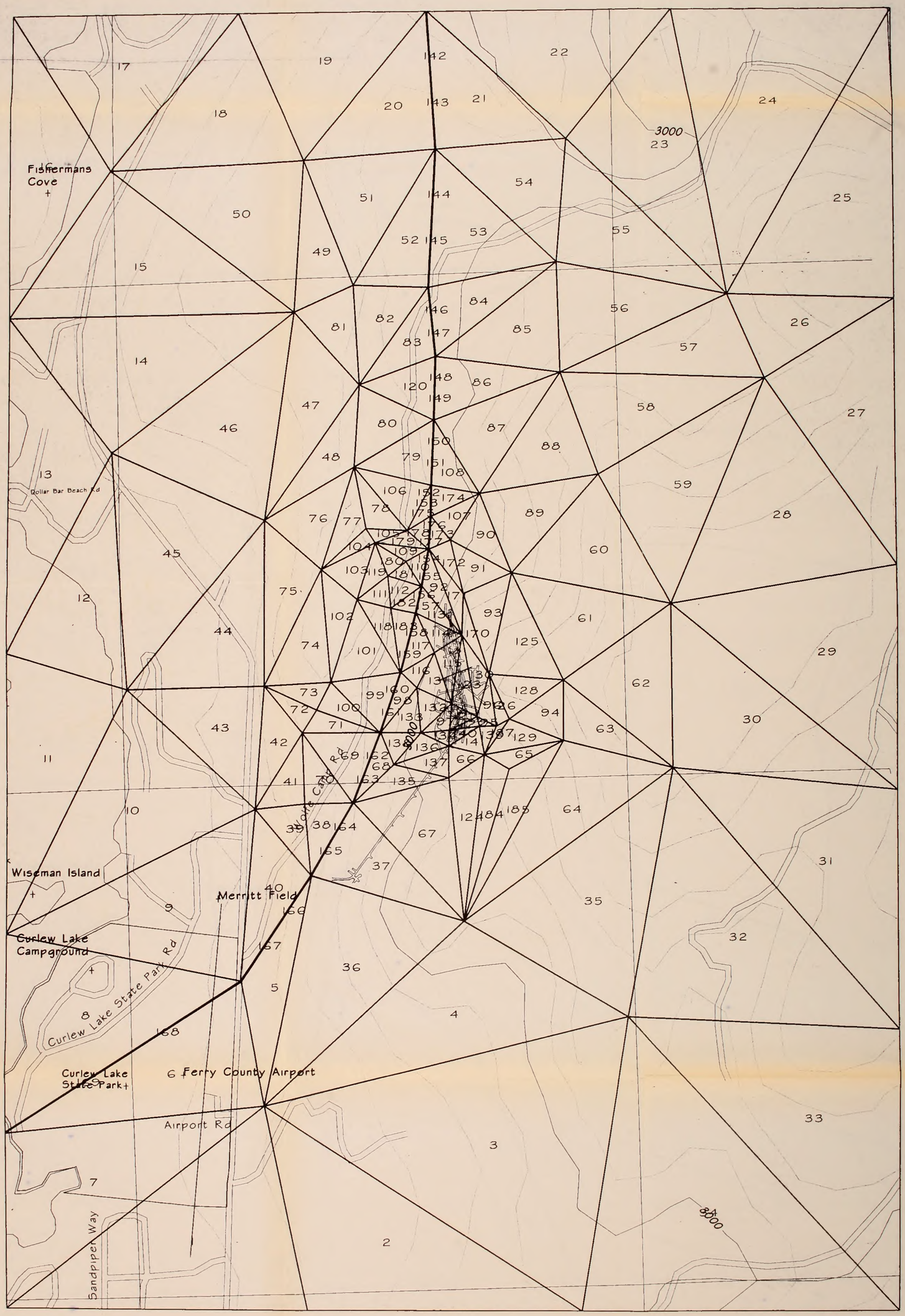

EXPLANATION

MODEL ELEMENT

ECHO BAY MINERALS

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MODEL ELEMENT NUMBERING SYSTEM, TOP MODEL LAYER

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

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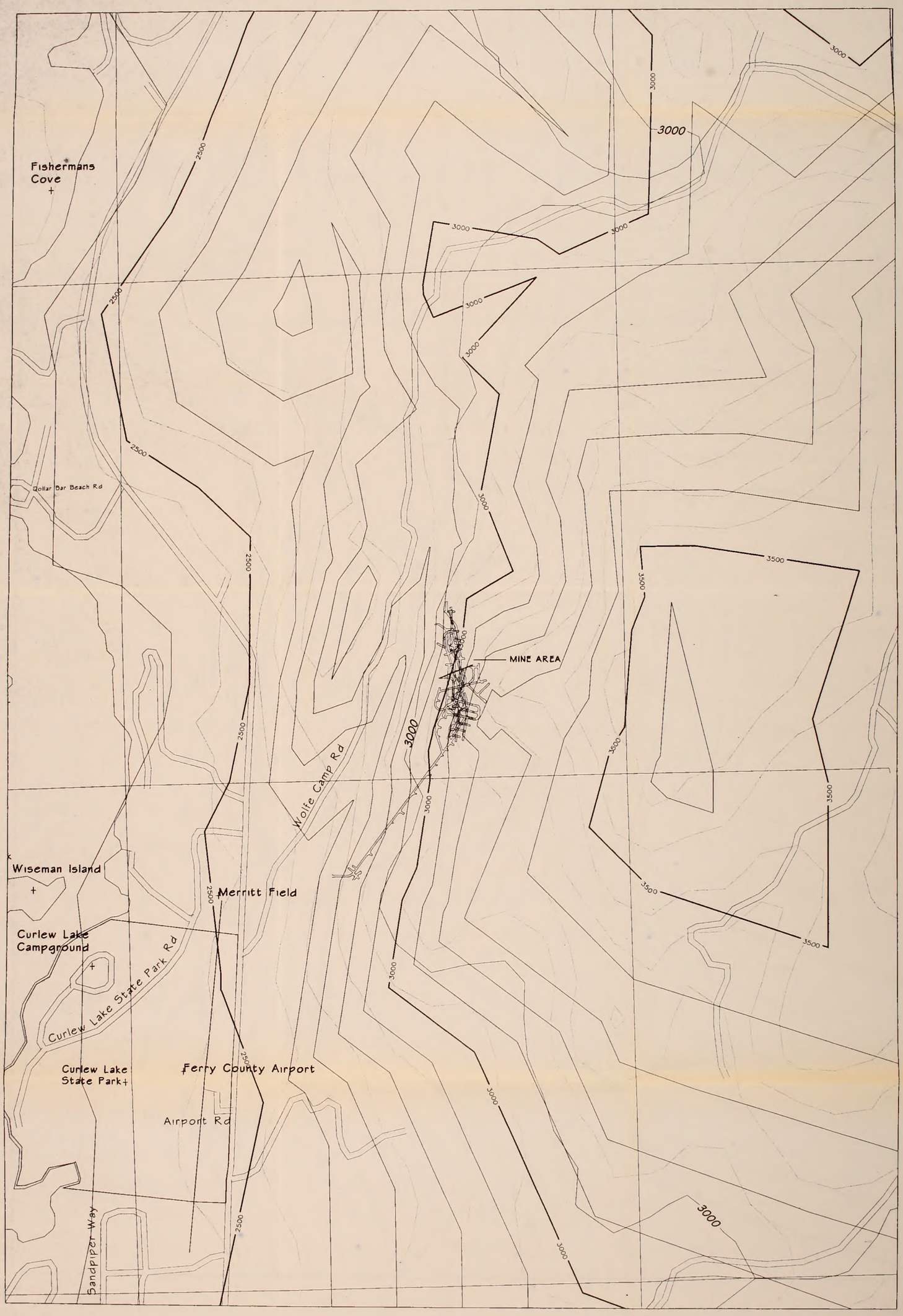

NOTE
BASE MAP FROM 7.5 MINUTE
USGS REPUBLIC QUAD

ECHO BAY MINERALS DRAFT

MODEL REPRESENTATION OF SURFACE TOPOGRAPHY

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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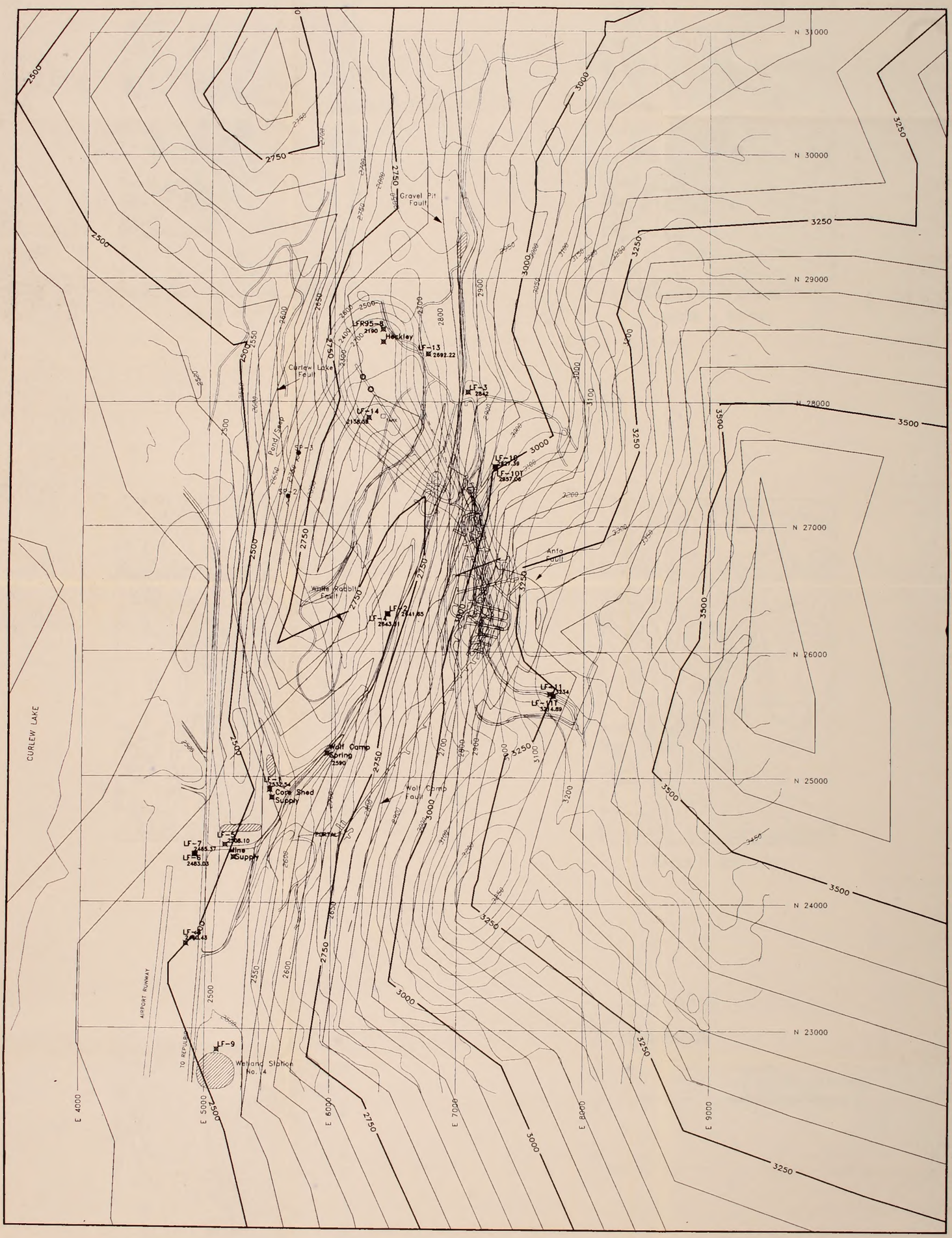

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GROUNDWATER CONTOUR INTERVAL: 50 FEET

ECHO BAY MINERALS

GROUNDWATER LEVEL CALIBRATION RESULTS FOR TOP LAYER IN MINE VICINITY, PRE-MINING CONDITION, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

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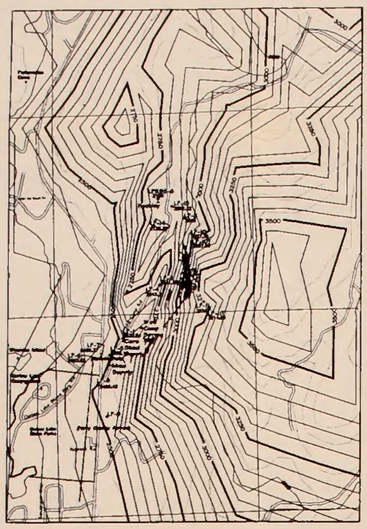
PLATE NUMBER:
6

LEGEND:

LF-5 Well Location
2520 Water Level Elevation (March, 1998)
SP-2 Spring Location
Fault
Wetland
Model Groundwater Elevation

NOTE

BASE MAP FROM ECHO BAY MINERALS



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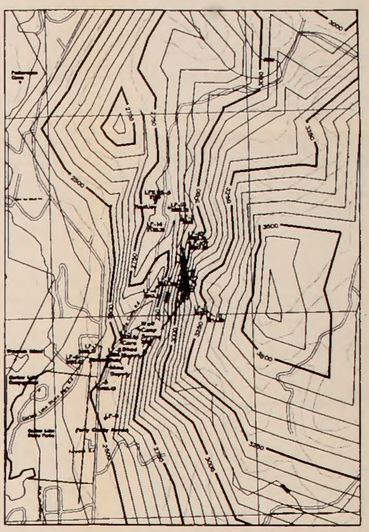

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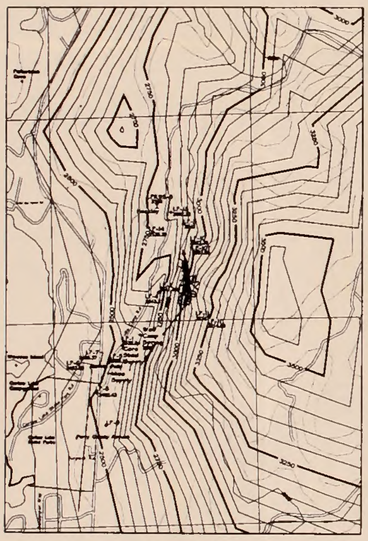

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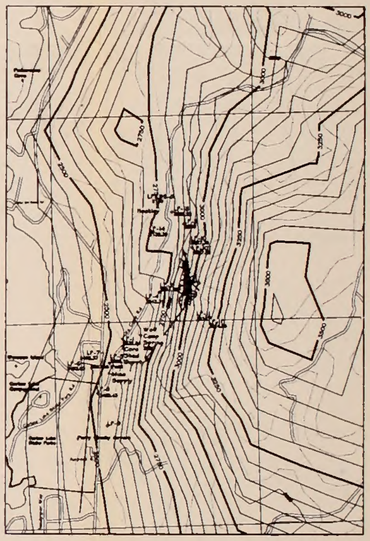
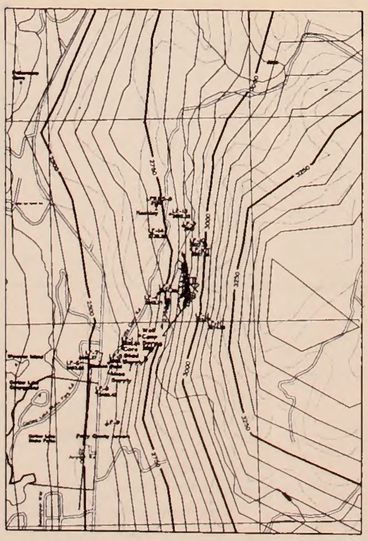


LAYER 1: 350'-750'



LAYER 1: 750'-1750'

EXPLANATION

LF-5.	Well Location
2520	Water Level Elevation (March, 1998)
	Model Groundwater Elevation

NOTE

BASE MAP FROM 7.5 MINUTE USGS REPUBLIC QUAD

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GROUNDWATER CONTOUR INTERVAL: 50 FEET

ECHO BAY MINERALS

GROUNDWATER LEVEL CALIBRATION RESULTS, ALL MODEL LAYERS, PRE-MINING CONDITION, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

2000 0 2000 4000

SCALE IN FEET

DESIGNED:	WW	DATE:	04/22/98
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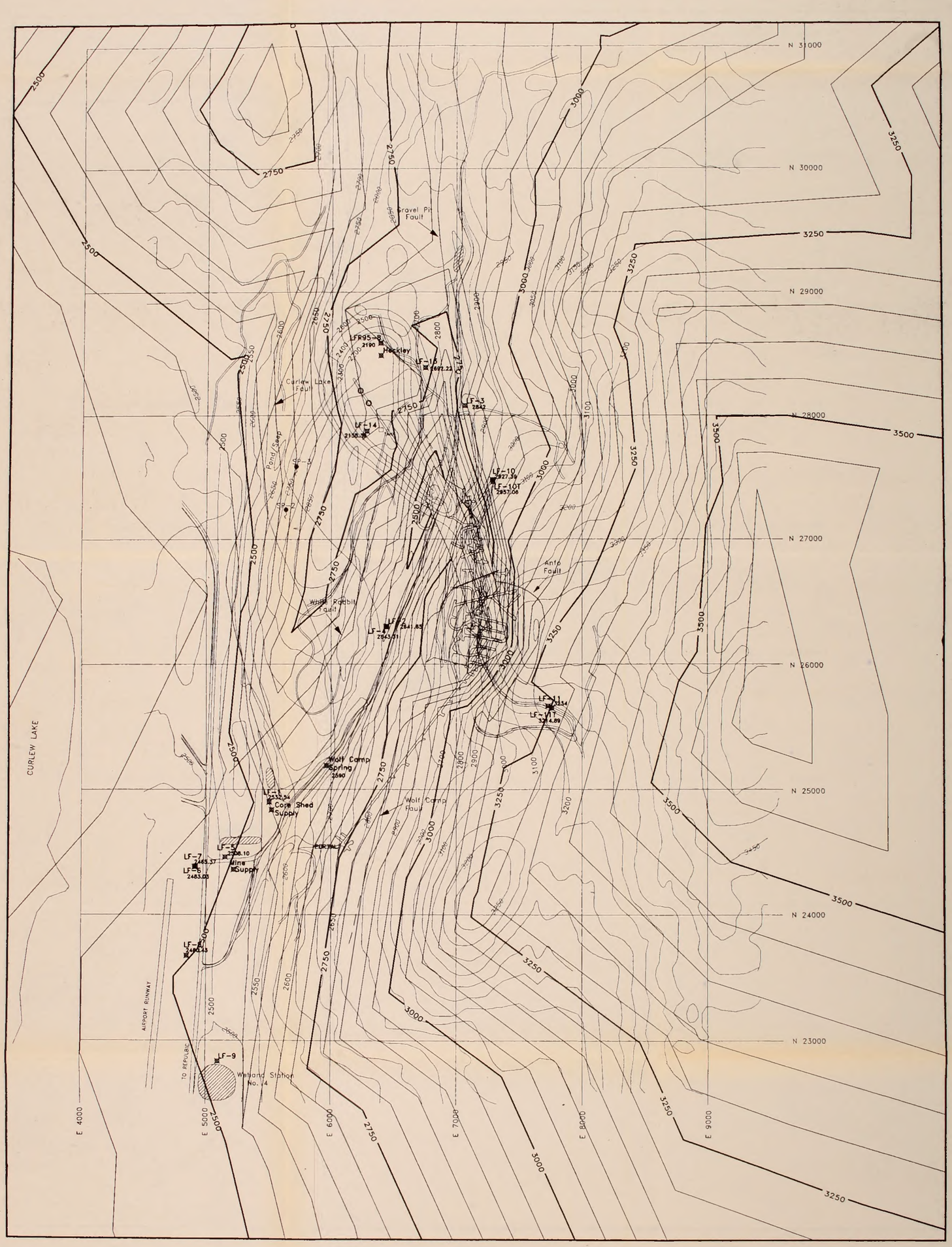
7



LEGEND:

- LF-5 — Well Location
- 2520 — Water Level Elevation (March, 1998)
- SP-2 — Spring Location
- Fault
- Wetland
- Model Groundwater Elevation

NOTE

BASE MAP FROM ECHO BAY MINERALS

GROUNDWATER CONTOUR INTERVAL: 50 FEET

ECHO BAY MINERALS

PREDICTED GROUNDWATER LEVELS FOR TOP MODEL LAYER IN MINE VICINITY DURING MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

400 0 400 800
SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

FILE: (NS) D:\1371\04-98\PLATE-GLDING 04/22/98

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Innovative Environmental Solutions

N

PLATE NUMBER: 8

DRAFT

DRAWDOWN CONTOUR INTERVAL: 10 FEET

LEGEND:

- LF-5 — Well Location
- 2520 — Water Level Elevation (March, 1998)
- SP-2 — Spring Location
- Fault
- Predicted Drawdown
- Wetland

NOTE
BASE MAP FROM
ECHO BAY MINERALS

ECHO BAY MINERALS

PREDICTED DRAWDOWN FOR TOP MODEL LAYER IN MINE VICINITY DURING MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

400 0 400 800
SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

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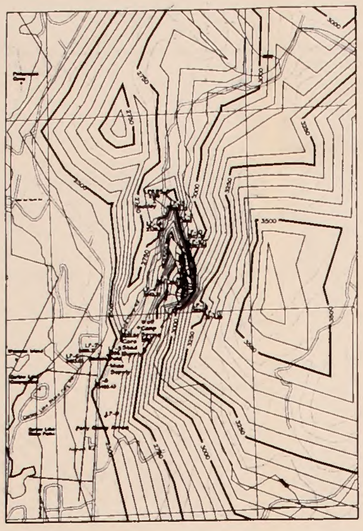
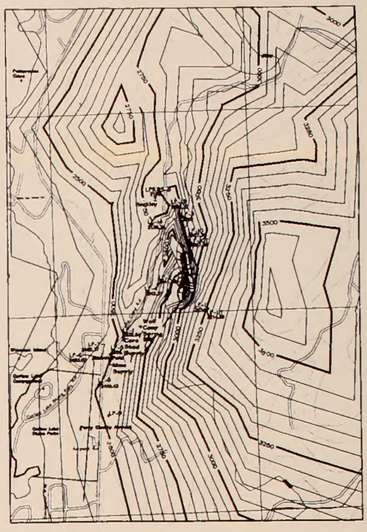
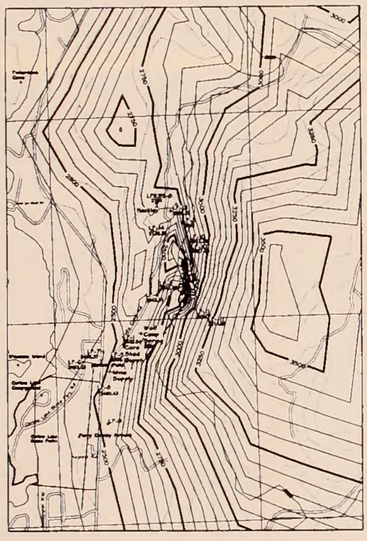
PLATE NUMBER: 9



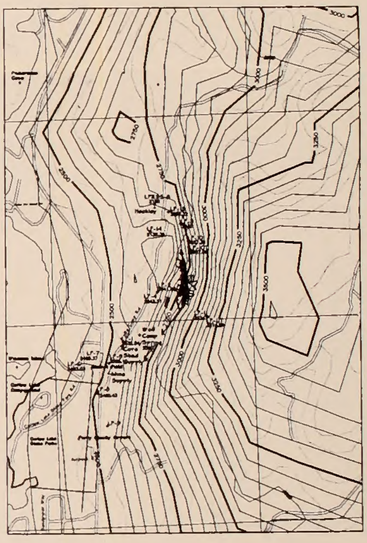
LAYER 1: 0'-50'



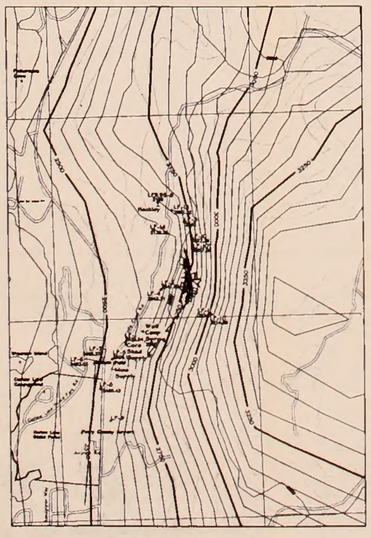
LAYER 1: 50'-150'



LAYER 1: 150'-350'



LAYER 1: 350'-750'



LAYER 1: 750'-1750'

EXPLANATION

LF-5,	Well Location
2520	Water Level Elevation (March, 1998)
~~	Model Groundwater Elevation

NOTE

BASE MAP FROM 7.5 MINUTE USGS REPUBLIC QUAD

DRAFT

GROUNDWATER CONTOUR INTERVAL: 50 FEET

ECHO BAY MINERALS

PREDICTED GROUNDWATER LEVELS IN ALL MODEL LAYERS DURING MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

2000 0 2000 4000

SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

FILE (NS) R:\1371\04-98\PLATE-10.DWG 04/22/98

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PLATE NUMBER:

10

LEGEND:

- Sp-2 — Spring Location
- Fault
- Wetland
- Model Groundwater Elevation

NOTE

BASE MAP FROM ECHO BAY MINERALS

GROUNDWATER CONTOUR INTERVAL: 50 FEET

DRAFT

ECHO BAY MINERALS

PREDICTED GROUNDWATER LEVELS FOR TOP MODEL LAYER IN MINE VICINITY AFTER MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

400 0 400 800
SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

FILE: (VS) B:\137W\04-98\PLATE-11.DWG, 04/22/98

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PLATE NUMBER: 11

LEGEND:

- SP-2 Spring Location
- Fault
- Wetland
- Predicted Drawdown

NOTE

BASE MAP FROM ECHO BAY MINERALS

DRAWDOWN CONTOUR INTERVAL: 10 FEET

DRAFT

ECHO BAY MINERALS

PREDICTED DRAWDOWN FOR TOP MODEL LAYER IN MINE VICINITY AFTER MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

400 0 400 800
SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

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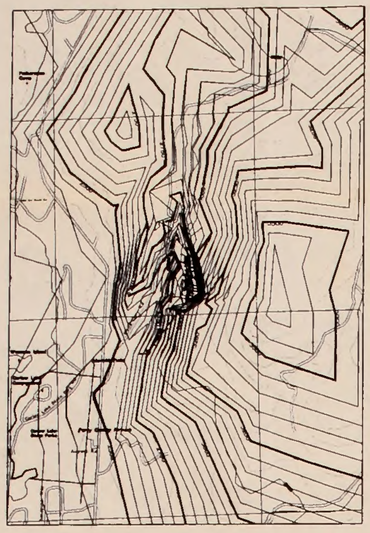
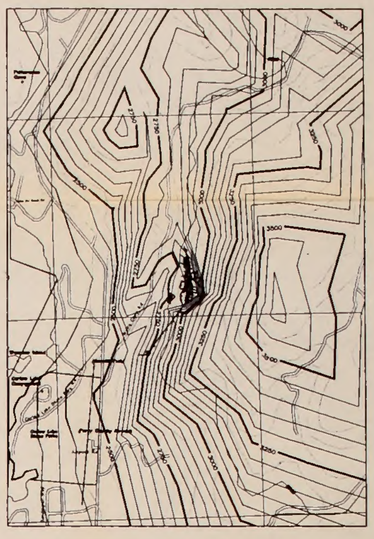
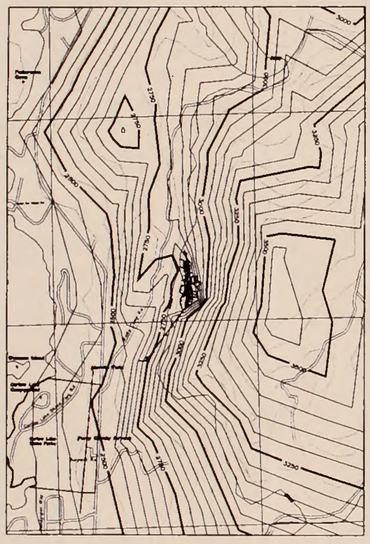
PLATE NUMBER: 12



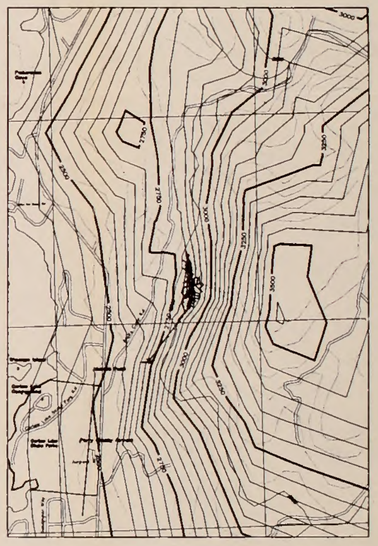
LAYER 1: 0'-50'



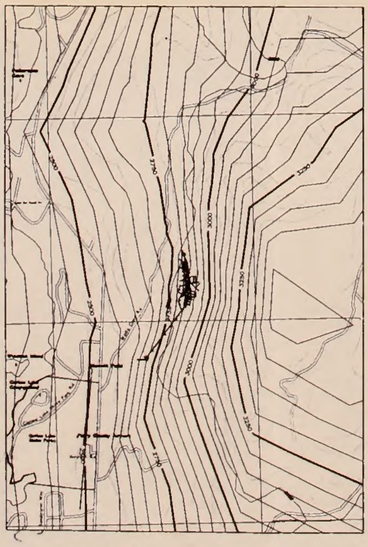
LAYER 1: 50'-150'



LAYER 1: 150'-350'



LAYER 1: 350'-750'



LAYER 1: 750'-1750'

NOTE

BASE MAP FROM 7.5 MINUTE USGS REPUBLIC QUAD

EXPLANATION

Model Groundwater Elevation

DRAFT

GROUNDWATER CONTOUR INTERVAL: 50 FEET

ECHO BAY MINERALS

PREDICTED GROUNDWATER LEVELS FOR ALL MODEL LAYERS AFTER MINING, CONSERVATIVE CASE

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1			

FERRY COUNTY, WA

2000 0 2000 4000

SCALE IN FEET

DESIGNED	WW	DATE:	04/22/98
DRAWN	VS	DATE:	04/22/98
CHECKED		DATE:	

FILE (VS) R:\13740\04-98\PLATE-13.DWG 04/22/98

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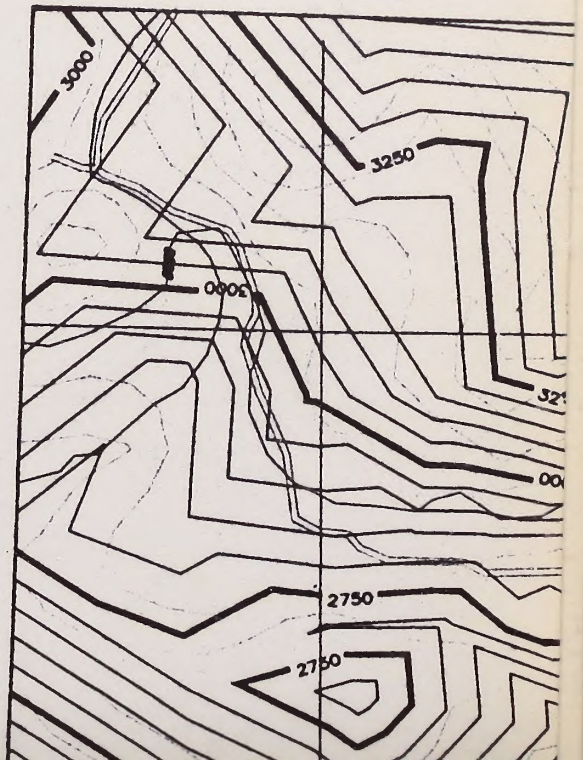
PLATE NUMBER:

13


3000
3250
3000
2750
2750

Attachment**One**

AttachmentOne Model Results, Conservative Case

AttachmentOne Model Results, Conservative Case

Model Parameters and Output

Pre-Mining Condition

Domain and analysis parameters

```
Number of nodes........... 538
Number of elements........ 935
Number of materials....... 48
Number of soils........... 3
Number of connections.... 408
Number of injections..... 0
Number of particles...... 0

Length unit............... feet
Time unit................. year

Analysis time............. 0 year

Tolerance................. 0.0001 feet
Relaxation................ 1
Max head change/cycle.... 100 feet
Timestep size............. N/A
Substeps/timestep........ 1
Max cycles/timestep...... 100000000
Analysis type............. Steady State
Aquifer type.............. Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode........... OFF

Number of traces......... 0
Timestep size............. 1 year
Substeps/timestep........ 30
```

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08-0-000.WK1: BEFORE MINING Thu Apr 23 06:58:29
1998 Page 2

TIME = 0 year UNITS = Length [L]: feet Time [T]: year

Material data

```
Mat'l  --Hydraulic Conductivity--  Major Specific  Storage  Effect.  --Dispersivity---  Retard'n Label
 #      (major)   (minor)          (s) Angle  Storage    Coeff Porosity     Long  T'verse
```

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
7	10000	10000	10000	0	0.000e0	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
9	400	400	400	0	0.000e0	0	0	0		0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
17	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
27	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
37	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
39	15	15	1	0	0.000e0	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	0.000e0	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	0.000e0	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/N
47	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	West Lime

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Soil data

Soil #	Spec. Dist. Inflow [L^3/T]	Label	Soil #	Spec. Dist. Inflow [L^3/T]	Label
1	0.2333	2.8"/yr	2	0	Lower layers

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Connection data

Conn #	Node 1	Node 2	Sat Cond [L^2/T]	Cur Cond [L^2/T]	Tr. Delay [LT]	Flow 1->2 [L^3/T]	Type
1	1	106	6359.3477	6359.3477	0	-12177.17	Lay
2	2	107	8962.0873	8962.0873	0	-64945.35	Lay
3	3	108	99996.851	99996.851	0	-194116.6	Lay
4	4	109	8263.0705	8263.0705	0	47847.357	Lay
5	5	110	6948.2722	6948.2722	0	-39403.93	Lay
6	6	111	5989.5172	5989.5172	0	107738.03	Lay
7	7	112	8094.6394	8094.6394	0	28292.154	Lay
8	8	113	8535.0183	8535.0183	0	-21829.02	Lay
9	9	114	11906.862	11906.862	0	53342.282	Lay
10	10	115	10208.722	10208.722	0	-24718.30	Lay
11	11	116	15234.723	15234.723	0	-25310.08	Lay
12	12	117	10733.260	10733.260	0	-48016.34	Lay
13	13	118	9791.2435	9791.2435	0	-14693.37	Lay
14	14	119	85517.964	85517.964	0	-256191.3	Lay
15	15	120	15235.877	15235.877	0	-34441.27	Lay
16	16	121	8931.4830	8931.4830	0	-18623.12	Lay

17	17	122	13649.645	13649.645	0	-33766.88	Lay
18	18	123	15757.232	15757.232	0	-86274.03	Lay
19	19	124	9769.3526	9769.3526	0	43585.069	Lay
20	20	125	144766.25	144766.25	0	133612.93	Lay
21	21	126	7804.1872	7804.1872	0	-103866.9	Lay
22	22	127	13660.068	13660.068	0	23047.199	Lay
23	23	128	9932.6022	9932.6022	0	-71317.47	Lay
24	24	129	13069.777	13069.777	0	170523.21	Lay
25	25	130	15057.307	15057.307	0	197788.69	Lay
26	26	131	26166.263	26166.263	0	112982.45	Lay
27	27	132	16108.606	16108.606	0	399200.95	Lay
28	28	133	285325.05	285325.05	0	-12724.17	Lay
29	29	134	16719.123	16719.123	0	-62179.03	Lay
30	30	135	15834.994	15834.994	0	-51472.07	Lay
31	31	136	14717.212	14717.212	0	172655.24	Lay
32	32	137	3990.245	3990.245	0	-64668.39	Lay
33	33	138	95072.092	95072.092	0	80006.817	Lay
34	34	139	5953.6444	5953.6444	0	14197.182	Lay
35	35	140	6290.0011	6290.0011	0	45601.615	Lay
36	36	141	5548.2627	5548.2627	0	89729.628	Lay
37	37	142	3811.1811	3811.1811	0	-35097.19	Lay
38	38	143	312.51666	312.51666	0	10733.918	Lay
39	39	144	138713.51	138713.51	0	-132686.9	Lay
40	40	145	13561.634	13561.634	0	-116933.8	Lay
41	41	146	8270.0543	8270.0543	0	-162085.3	Lay
42	42	147	15797.010	15797.010	0	-155877.4	Lay
43	43	148	5053.5188	5053.5188	0	-61745.70	Lay
44	44	149	66861.844	66861.844	0	69552.089	Lay
45	45	150	66434.546	66434.546	0	104463.89	Lay
46	46	151	2718.5961	2718.5961	0	20717.674	Lay
47	47	152	36452.994	36452.994	0	61906.263	Lay
48	48	153	1341.4866	1341.4866	0	20309.634	Lay
49	49	154	60443.441	60443.441	0	-240618.7	Lay
50	50	155	67510.696	67510.696	0	-27455.58	Lay
51	51	156	79303.275	79303.275	0	-162644.4	Lay
52	52	157	1378.4066	1378.4066	0	57543.276	Lay
53	53	158	3087.9861	3087.9861	0	68477.111	Lay
54	54	159	43637.682	43637.682	0	52127.214	Lay
55	55	160	48340.813	48340.813	0	56454.733	Lay
56	56	161	450.90333	450.90333	0	4735.4937	Lay
57	57	162	693.705	693.705	0	15759.272	Lay
58	58	163	277.60388	277.60388	0	8406.6628	Lay

59	59	164	30703.981	30703.981	0	113985.79	Lay
60	60	165	703.27333	703.27333	0	-6869.235	Lay
61	61	166	967.06444	967.06444	0	15495.416	Lay
62	62	167	324.38333	324.38333	0	8666.7019	Lay
63	63	168	3254.6366	3254.6366	0	17091.095	Lay
64	64	169	2605.9122	2605.9122	0	34101.652	Lay
65	65	170	2294.6788	2294.6788	0	91674.14	Lay
66	66	171	640.92777	640.92777	0	25788.813	Lay
67	67	172	1882.825	1882.825	0	72770.469	Lay
68	68	173	1275.3644	1275.3644	0	35827.215	Lay
69	69	174	4035.3672	4035.3672	0	8306.7912	Lay
70	70	175	40362.635	40362.635	0	-97513.26	Lay
71	71	176	286.53111	286.53111	0	9204.1983	Lay
72	72	177	673.14666	673.14666	0	21731.479	Lay
73	73	178	703.51555	703.51555	0	-8965.617	Lay
74	74	179	849.72222	849.72222	0	12101.308	Lay
75	75	180	1048.1966	1048.1966	0	17643.628	Lay
76	76	181	3006.1388	3006.1388	0	52814.922	Lay
77	77	182	1504.9438	1504.9438	0	42866.710	Lay
78	78	183	723.81444	723.81444	0	20241.87	Lay
79	79	184	663.17222	663.17222	0	28656.315	Lay
80	80	185	1392.4583	1392.4583	0	60953.257	Lay
81	81	186	52266.640	52266.640	0	-102126.3	Lay
82	82	187	146787.52	146787.52	0	135573.37	Lay
83	83	188	118457.47	118457.47	0	99647.502	Lay
84	84	189	70580.172	70580.172	0	73472.560	Lay
85	85	190	66425.625	66425.625	0	104592.61	Lay
86	86	191	54611.376	54611.376	0	65265.441	Lay
87	87	192	35096.902	35096.902	0	59434.876	Lay
88	88	193	34528.069	34528.069	0	128781.94	Lay
89	89	194	38052.133	38052.133	0	45279.272	Lay
90	90	195	59420.346	59420.346	0	-237488.7	Lay
91	91	196	63924.192	63924.192	0	-26260.94	Lay
92	92	197	75807.725	75807.725	0	-156054.4	Lay
93	93	198	111942.12	111942.12	0	-107854.5	Lay
94	94	199	246226.96	246226.96	0	-233.7119	Lay
95	95	200	222136.25	222136.25	0	-648038.4	Lay
96	96	201	680.99111	680.99111	0	12031.063	Lay
97	97	202	625.01722	625.01722	0	2505.2262	Lay
98	98	203	32251.325	32251.325	0	33197.733	Lay
99	99	204	32564.593	32564.593	0	33540.637	Lay
100	100	205	570.03277	570.03277	0	6431.1212	Lay

101	101	206	298.74166	298.74166	0	7440.7749	Lay
102	102	207	387.57333	387.57333	0	3917.9030	Lay
103	106	211	2120.445	2120.445	0	-11813.22	Lay
104	107	212	2989.7894	2989.7894	0	-56810.40	Lay
105	108	213	35065.042	35065.042	0	-172365.1	Lay
106	109	214	4131.5352	4131.5352	0	39967.173	Lay
107	110	215	3474.1361	3474.1361	0	-34135.35	Lay
108	111	216	2994.7586	2994.7586	0	92535.837	Lay
109	112	217	4047.3197	4047.3197	0	25692.124	Lay
110	113	218	4267.5091	4267.5091	0	-16940.96	Lay
111	114	219	5953.4313	5953.4313	0	47681.171	Lay
112	115	220	5104.3611	5104.3611	0	-21867.79	Lay
113	116	221	7617.3616	7617.3616	0	-22501.33	Lay
114	117	222	3579.8844	3579.8844	0	-42530.81	Lay
115	118	223	3264.7677	3264.7677	0	-13696.65	Lay
116	119	224	28667.393	28667.393	0	-232019.1	Lay
117	120	225	5080.2127	5080.2127	0	-31322.96	Lay
118	121	226	2978.0913	2978.0913	0	-17623.19	Lay
119	122	227	4553.0319	4553.0319	0	-31465.39	Lay
120	123	228	5256.4722	5256.4722	0	-75342.25	Lay
121	124	229	4403.5119	4403.5119	0	35676.146	Lay
122	125	230	50731.038	50731.038	0	116929.55	Lay
123	126	231	3902.0936	3902.0936	0	-87099.48	Lay
124	127	232	6830.0344	6830.0344	0	20815.730	Lay
125	128	233	4966.3011	4966.3011	0	-57478.44	Lay
126	129	234	6534.8886	6534.8886	0	152432.31	Lay
127	130	235	7528.6538	7528.6538	0	177094.47	Lay
128	131	236	13083.131	13083.131	0	105927.67	Lay
129	132	237	8054.3030	8054.3030	0	348409.48	Lay
130	133	238	95990.904	95990.904	0	-17258.60	Lay
131	134	239	5574.7827	5574.7827	0	-57608.61	Lay
132	135	240	5281.2102	5281.2102	0	-46299.94	Lay
133	136	241	6347.0280	6347.0280	0	140848.33	Lay
134	137	242	1995.1225	1995.1225	0	-46990.76	Lay
135	138	243	33306.568	33306.568	0	75473.596	Lay
136	139	244	2976.8222	2976.8222	0	11656.511	Lay
137	140	245	3145.0005	3145.0005	0	40664.202	Lay
138	141	246	2774.1313	2774.1313	0	76746.948	Lay
139	142	247	1905.5905	1905.5905	0	-24693.53	Lay
140	143	248	156.25833	156.25833	0	9185.2498	Lay
141	144	249	48591.498	48591.498	0	-119328.5	Lay
142	145	250	4522.5769	4522.5769	0	-92569.88	Lay

143	146	251	2758.6569	2758.6569	0	-120849.2	Lay
144	147	252	5270.5508	5270.5508	0	-128324.3	Lay
145	148	253	2526.7594	2526.7594	0	-44344.63	Lay
146	149	254	23415.316	23415.316	0	66474.866	Lay
147	150	255	23273.742	23273.742	0	95059.928	Lay
148	151	256	1359.2980	1359.2980	0	17337.693	Lay
149	152	257	12764.713	12764.713	0	62702.168	Lay
150	153	258	670.74333	670.74333	0	17139.520	Lay
151	154	259	21172.391	21172.391	0	-191254.2	Lay
152	155	260	23646.216	23646.216	0	-35411.23	Lay
153	156	261	27772.286	27772.286	0	-135182.8	Lay
154	157	262	689.20333	689.20333	0	38998.214	Lay
155	158	263	1543.9930	1543.9930	0	49024.524	Lay
156	159	264	15286.144	15286.144	0	51715.545	Lay
157	160	265	16922.148	16922.148	0	51095.257	Lay
158	161	266	225.45166	225.45166	0	4639.1100	Lay
159	162	267	346.8525	346.8525	0	11779.498	Lay
160	163	268	138.80194	138.80194	0	4611.1068	Lay
161	164	269	10751.506	10751.506	0	87514.324	Lay
162	165	270	351.63666	351.63666	0	-1843.607	Lay
163	166	271	483.53222	483.53222	0	13970.520	Lay
164	167	272	162.19166	162.19166	0	6754.9801	Lay
165	168	273	1627.3183	1627.3183	0	19262.557	Lay
166	169	274	1302.9561	1302.9561	0	32435.824	Lay
167	170	275	1147.3394	1147.3394	0	69162.397	Lay
168	171	276	320.46388	320.46388	0	18174.213	Lay
169	172	277	941.4125	941.4125	0	51445.882	Lay
170	173	278	637.68222	637.68222	0	22728.095	Lay
171	174	279	2017.6836	2017.6836	0	8744.4470	Lay
172	175	280	13467.500	13467.500	0	-85548.67	Lay
173	176	281	143.26555	143.26555	0	7681.1794	Lay
174	177	282	336.57333	336.57333	0	18158.103	Lay
175	178	283	351.75777	351.75777	0	-3720.120	Lay
176	179	284	424.86111	424.86111	0	10013.153	Lay
177	180	285	524.09833	524.09833	0	11563.100	Lay
178	181	286	1503.0694	1503.0694	0	48587.908	Lay
179	182	287	752.47194	752.47194	0	35395.108	Lay
180	183	288	361.90722	361.90722	0	15730.71	Lay
181	184	289	331.58611	331.58611	0	21703.586	Lay
182	185	290	696.22916	696.22916	0	45791.335	Lay
183	186	291	18366.299	18366.299	0	-90225.88	Lay
184	187	292	51446.687	51446.687	0	118655.87	Lay

185	188	293	41495.774	41495.774	0	94043.456	Lay
186	189	294	24744.927	24744.927	0	70254.891	Lay
187	190	295	23279.331	23279.331	0	95082.803	Lay
188	191	296	19120.121	19120.121	0	64691.024	Lay
189	192	297	12293.293	12293.293	0	60269.137	Lay
190	193	298	12093.22	12093.22	0	98523.419	Lay
191	194	299	13327.658	13327.658	0	40831.034	Lay
192	195	300	20801.991	20801.991	0	-187831.8	Lay
193	196	301	22387.893	22387.893	0	-33709.06	Lay
194	197	302	26619.296	26619.296	0	-129581.1	Lay
195	198	303	39352.630	39352.630	0	-96723.94	Lay
196	199	304	83501.170	83501.170	0	-14399.04	Lay
197	200	305	74655.871	74655.871	0	-605302.4	Lay
198	201	306	340.49555	340.49555	0	7927.2486	Lay
199	202	307	312.50861	312.50861	0	2131.1093	Lay
200	203	308	11292.943	11292.943	0	37988.241	Lay
201	204	309	11399.497	11399.497	0	38363.977	Lay
202	205	310	285.01638	285.01638	0	5024.6632	Lay
203	206	311	149.37083	149.37083	0	5994.7626	Lay
204	207	312	193.78666	193.78666	0	4084.1722	Lay
205	211	316	1060.2225	1060.2225	0	-10485.25	Lay
206	212	317	1494.8947	1494.8947	0	-42086.37	Lay
207	213	318	17532.521	17532.521	0	-134382.7	Lay
208	214	319	2065.7676	2065.7676	0	26882.097	Lay
209	215	320	1737.0680	1737.0680	0	-24786.95	Lay
210	216	321	1497.3793	1497.3793	0	66070.047	Lay
211	217	322	2023.6598	2023.6598	0	20627.585	Lay
212	218	323	2133.7545	2133.7545	0	-9123.738	Lay
213	219	324	2976.7156	2976.7156	0	36966.794	Lay
214	220	325	2552.1805	2552.1805	0	-16536.57	Lay
215	221	326	3808.6808	3808.6808	0	-17130.62	Lay
216	222	327	1789.9422	1789.9422	0	-32264.61	Lay
217	223	328	1632.3838	1632.3838	0	-11445.67	Lay
218	224	329	14333.696	14333.696	0	-196696.3	Lay
219	225	330	2540.1063	2540.1063	0	-25010.58	Lay
220	226	331	1489.0456	1489.0456	0	-15109.68	Lay
221	227	332	2276.5159	2276.5159	0	-26204.98	Lay
222	228	333	2628.2361	2628.2361	0	-55819.21	Lay
223	229	334	2201.7559	2201.7559	0	23109.875	Lay
224	230	335	25365.519	25365.519	0	89026.377	Lay
225	231	336	1951.0468	1951.0468	0	-59121.48	Lay
226	232	337	3415.0172	3415.0172	0	16574.155	Lay

227	233	338	2483.1505	2483.1505	0	-35362.91	Lay
228	234	339	3267.4443	3267.4443	0	118024.52	Lay
229	235	340	3764.3269	3764.3269	0	137621.66	Lay
230	236	341	6541.5659	6541.5659	0	89363.175	Lay
231	237	342	4027.1515	4027.1515	0	256732.07	Lay
232	238	343	47995.452	47995.452	0	-30459.19	Lay
233	239	344	2787.3913	2787.3913	0	-46709.87	Lay
234	240	345	2640.6051	2640.6051	0	-36192.59	Lay
235	241	346	3173.5140	3173.5140	0	91707.925	Lay
236	242	347	997.56125	997.56125	0	-23198.59	Lay
237	243	348	16653.284	16653.284	0	66558.030	Lay
238	244	349	1488.4111	1488.4111	0	7729.8419	Lay
239	245	350	1572.5002	1572.5002	0	31100.534	Lay
240	246	351	1387.0656	1387.0656	0	54632.156	Lay
241	247	352	952.79527	952.79527	0	-10705.56	Lay
242	248	353	78.129166	78.129166	0	5916.4552	Lay
243	249	354	24295.749	24295.749	0	-93203.82	Lay
244	250	355	2261.2884	2261.2884	0	-58026.89	Lay
245	251	356	1379.3284	1379.3284	0	-65718.38	Lay
246	252	357	2635.2754	2635.2754	0	-84551.47	Lay
247	253	358	1263.3797	1263.3797	0	-21572.33	Lay
248	254	359	11707.658	11707.658	0	59541.354	Lay
249	255	360	11636.871	11636.871	0	78921.393	Lay
250	256	361	679.64902	679.64902	0	11983.429	Lay
251	257	362	6461.4543	6461.4543	0	58572.314	Lay
252	258	363	335.37166	335.37166	0	11486.917	Lay
253	259	364	10694.581	10694.581	0	-124812.9	Lay
254	260	365	11823.108	11823.108	0	-38174.30	Lay
255	261	366	13886.143	13886.143	0	-92981.56	Lay
256	262	367	458.41092	458.41092	0	14288.535	Lay
257	263	368	771.99652	771.99652	0	24178.041	Lay
258	264	369	7664.8327	7664.8327	0	49408.986	Lay
259	265	370	8527.4059	8527.4059	0	40472.384	Lay
260	266	371	112.72583	112.72583	0	2715.8383	Lay
261	267	372	255.27044	255.27044	0	5654.9921	Lay
262	268	373	118.46965	118.46965	0	2682.3785	Lay
263	269	374	5462.9601	5462.9601	0	57892.384	Lay
264	270	375	175.81833	175.81833	0	1770.7198	Lay
265	271	376	241.76611	241.76611	0	10576.876	Lay
266	272	377	81.095833	81.095833	0	4315.1703	Lay
267	273	378	813.65916	813.65916	0	19526.153	Lay
268	274	379	651.47805	651.47805	0	26885.692	Lay

269	275	380	573.66972	573.66972	0	37121.767	Lay
270	276	381	160.23194	160.23194	0	8867.4650	Lay
271	277	382	470.70625	470.70625	0	24424.036	Lay
272	278	383	318.84111	318.84111	0	8432.4745	Lay
273	279	384	1008.8418	1008.8418	0	5522.4556	Lay
274	280	385	6733.7502	6733.7502	0	-63738.72	Lay
275	281	386	71.632777	71.632777	0	5065.3874	Lay
276	282	387	168.28666	168.28666	0	11942.327	Lay
277	283	388	175.87888	175.87888	0	573.76410	Lay
278	284	389	212.43055	212.43055	0	6673.3408	Lay
279	285	390	262.04916	262.04916	0	5576.4369	Lay
280	286	391	751.53472	751.53472	0	36991.767	Lay
281	287	392	376.23597	376.23597	0	23900.376	Lay
282	288	393	180.95361	180.95361	0	9918.3745	Lay
283	289	394	165.79305	165.79305	0	13066.569	Lay
284	290	395	348.11458	348.11458	0	26285.368	Lay
285	291	396	9183.1498	9183.1498	0	-70343.22	Lay
286	292	397	25723.343	25723.343	0	90339.350	Lay
287	293	398	20747.887	20747.887	0	82931.682	Lay
288	294	399	12372.463	12372.463	0	62928.490	Lay
289	295	400	11639.665	11639.665	0	78938.080	Lay
290	296	401	9560.0606	9560.0606	0	61622.113	Lay
291	297	402	6146.6465	6146.6465	0	55676.704	Lay
292	298	403	6046.61	6046.61	0	64153.873	Lay
293	299	404	6663.8291	6663.8291	0	32011.265	Lay
294	300	405	10400.995	10400.995	0	-121261.3	Lay
295	301	406	11193.946	11193.946	0	-36253.36	Lay
296	302	407	13309.648	13309.648	0	-89141.56	Lay
297	303	408	19676.315	19676.315	0	-75536.70	Lay
298	304	409	41750.585	41750.585	0	-26027.98	Lay
299	305	410	37327.935	37327.935	0	-513149.1	Lay
300	306	411	170.24777	170.24777	0	3974.4185	Lay
301	307	412	156.25430	156.25430	0	1549.4552	Lay
302	308	413	5646.4715	5646.4715	0	42301.301	Lay
303	309	414	5743.5215	5743.5215	0	43049.872	Lay
304	310	415	198.66196	198.66196	0	3298.8823	Lay
305	311	416	149.37083	149.37083	0	4446.2685	Lay
306	312	417	193.78666	193.78666	0	3488.7024	Lay
307	316	421	219.35637	219.35637	0	-6256.230	Lay
308	317	422	309.28856	309.28856	0	-17054.32	Lay
309	318	423	7376.3517	7376.3517	0	-78315.35	Lay
310	319	424	427.40020	427.40020	0	7993.1878	Lay

311	320	425	359.39339	359.39339	0	-9466.292	Lay
312	321	426	309.80261	309.80261	0	24122.787	Lay
313	322	427	418.68824	418.68824	0	10680.587	Lay
314	323	428	441.46646	441.46646	0	786.28992	Lay
315	324	429	615.87221	615.87221	0	17210.992	Lay
316	325	430	528.03735	528.03735	0	-7014.340	Lay
317	326	431	788.00293	788.00293	0	-7271.441	Lay
318	327	432	370.33287	370.33287	0	-13878.27	Lay
319	328	433	337.73459	337.73459	0	-6118.722	Lay
320	329	434	6012.2503	6012.2503	0	-131567.1	Lay
321	330	435	525.53925	525.53925	0	-12209.73	Lay
322	331	436	308.07842	308.07842	0	-8607.504	Lay
323	332	437	471.00330	471.00330	0	-14009.17	Lay
324	333	438	543.77298	543.77298	0	-23089.66	Lay
325	334	439	455.53571	455.53571	0	6180.7983	Lay
326	335	440	10738.876	10738.876	0	49133.215	Lay
327	336	441	403.66485	403.66485	0	-18245.54	Lay
328	337	442	706.55528	706.55528	0	8486.6822	Lay
329	338	443	513.75528	513.75528	0	-6272.106	Lay
330	339	444	676.02296	676.02296	0	54219.806	Lay
331	340	445	778.82626	778.82626	0	63889.681	Lay
332	341	446	1353.4274	1353.4274	0	49537.708	Lay
333	342	447	833.20376	833.20376	0	101943.38	Lay
334	343	448	20265.466	20265.466	0	-36372.71	Lay
335	344	449	576.70166	576.70166	0	-22241.28	Lay
336	345	450	546.33209	546.33209	0	-16841.74	Lay
337	346	451	656.58910	656.58910	0	27479.956	Lay
338	347	452	206.39198	206.39198	0	-1347.530	Lay
339	348	453	7070.9681	7070.9681	0	48391.259	Lay
340	349	454	307.94712	307.94712	0	2576.4982	Lay
341	350	455	325.34488	325.34488	0	13324.501	Lay
342	351	456	286.97910	286.97910	0	20437.701	Lay
343	352	457	197.13005	197.13005	0	1999.9389	Lay
344	353	458	16.164655	16.164655	0	1745.7616	Lay
345	354	459	10324.170	10324.170	0	-45261.13	Lay
346	355	460	467.85278	467.85278	0	-17223.31	Lay
347	356	461	285.37830	285.37830	0	-12022.40	Lay
348	357	462	545.22939	545.22939	0	-24559.29	Lay
349	358	463	261.38890	261.38890	0	-1437.323	Lay
350	359	464	4988.5432	4988.5432	0	44281.483	Lay
351	360	465	4941.5157	4941.5157	0	52519.233	Lay
352	361	466	140.61704	140.61704	0	4280.0885	Lay

353	362	467	2736.4723	2736.4723	0	24496.78	Lay
354	363	468	69.387241	69.387241	0	3498.7672	Lay
355	364	469	4520.0599	4520.0599	0	-10788.64	Lay
356	365	470	5030.0412	5030.0412	0	-15133.70	Lay
357	366	471	5916.9359	5916.9359	0	-36970.96	Lay
358	367	472	75.157434	75.157434	0	6050.5691	Lay
359	368	473	159.72342	159.72342	0	3079.9978	Lay
360	369	474	3252.1359	3252.1359	0	31152.163	Lay
361	370	475	3632.1429	3632.1429	0	26128.509	Lay
362	371	476	23.322586	23.322586	0	882.58871	Lay
363	372	477	38.430572	38.430572	0	2076.1857	Lay
364	373	478	15.704613	15.704613	0	339.02096	Lay
365	374	479	2308.7416	2308.7416	0	21775.198	Lay
366	375	480	36.376206	36.376206	0	1338.8143	Lay
367	376	481	50.020574	50.020574	0	3758.7094	Lay
368	377	482	16.778448	16.778448	0	1362.7152	Lay
369	378	483	168.34327	168.34327	0	11923.035	Lay
370	379	484	134.78856	134.78856	0	12575.798	Lay
371	380	485	118.69028	118.69028	0	6386.1359	Lay
372	381	486	33.151436	33.151436	0	1126.9183	Lay
373	382	487	97.3875	97.3875	0	2305.6558	Lay
374	383	488	65.967126	65.967126	0	-79.64745	Lay
375	384	489	208.72589	208.72589	0	3453.5784	Lay
376	385	490	1393.1897	1393.1897	0	-26134.02	Lay
377	386	491	14.820574	14.820574	0	1523.7874	Lay
378	387	492	34.817931	34.817931	0	3536.6630	Lay
379	388	493	36.388735	36.388735	0	1176.9594	Lay
380	389	494	43.951149	43.951149	0	2223.6524	Lay
381	390	495	54.217069	54.217069	0	1498.2101	Lay
382	391	496	155.48994	155.48994	0	13699.783	Lay
383	392	497	77.841925	77.841925	0	7915.5791	Lay
384	393	498	37.438678	37.438678	0	3146.8763	Lay
385	394	499	34.302011	34.302011	0	3752.9603	Lay
386	395	500	72.023706	72.023706	0	6716.0142	Lay
387	396	501	3788.6066	3788.6066	0	-40199.23	Lay
388	397	502	10875.324	10875.324	0	49788.654	Lay
389	398	503	8816.5748	8816.5748	0	60342.567	Lay
390	399	504	5215.1335	5215.1335	0	46300.191	Lay
391	400	505	4924.6961	4924.6961	0	52341.901	Lay
392	401	506	4084.0797	4084.0797	0	39126.351	Lay
393	402	507	2614.4252	2614.4252	0	23404.119	Lay
394	403	508	2573.6108	2573.6108	0	24292.950	Lay

395	404	509	2835.9842	2835.9842	0	20490.499	Lay
396	405	510	4447.1728	4447.1728	0	-10535.60	Lay
397	406	511	4766.8071	4766.8071	0	-14292.64	Lay
398	407	512	5527.7590	5527.7590	0	-34529.62	Lay
399	408	513	8086.5674	8086.5674	0	-35461.02	Lay
400	409	514	17739.413	17739.413	0	-31558.61	Lay
401	410	515	15778.091	15778.091	0	-345865.2	Lay
402	411	516	35.223678	35.223678	0	1092.8814	Lay
403	412	517	32.328477	32.328477	0	522.19325	Lay
404	413	518	2409.3214	2409.3214	0	20383.929	Lay
405	414	519	2446.6895	2446.6895	0	20694.938	Lay
406	415	520	31.315847	31.315847	0	809.80454	Lay
407	416	521	17.235096	17.235096	0	689.85901	Lay
408	417	522	22.36	22.36	0	748.51581	Lay

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Injection data

Injection #	Type and location mode	Injection Rate	Moles/ Particle	Start Time	End Time

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2372.4325	2393.6740	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2780	2779.9902	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	

9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417
12	-1	5652	20000	2510	2560	2431.4647	2488.6523	Swamp	2147930.5
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2
19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5
20	19	6992	32189	2910	2960	2833.6208	2835.4830	Swamp	866017.75
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192
26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2450.4695	2513.8704	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2363.3123	2386.8154	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2835.4421	2844.6026	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3272.9666	3290.0679	Swamp	46877.496
39	28	5689	24547	2510	2560	2559.9008	2559.9623	Swamp	325796.53
40	29	5107	25236	2490	2540	2393.6781	2429.0652	Swamp	2299764
41	29	5203	26521	2470	2520	2375.8753	2406.5421	Swamp	1188807.5
42	29	5202	28261	2470	2520	2399.3120	2472.9547	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2837.9079	2844.5689	Swamp	192655.17
45	43	6973	29319	2790	2840	2839.9639	2839.9905	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	88	6918	27954	2750	2800	2799.9492	2799.9677	Swamp	59082.835
48	89	7268	27047	2950	3000	3000	3000	Swamp	225309.32
49	91	6626	26660	2630	2680	2679.8950	2679.8154	Swamp	239884.65
50	92	6413	26034	2610	2660	2659.8157	2659.8042	Swamp	244550.18

51	93	6129	25301	2550	2600	2599.7832	2599.7557	Swamp	227482.17
52	69	6178	27422	2913	2963	2778.2612	2886.6412	Swamp	297364.31
53	42	6142	28824	2750	2800	2768.3957	2800	Swamp	656989
54	87	6945	28630	2770	2820	2819.9804	2819.9895	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.6907	2759.7132	Swamp	42484
56	69	6268	28173	2750	2800	2795.6708	2800	Swamp	135271
57	56	6365	28022	2800	2850	2816.5539	2850	Swamp	145908.67
58	59	6687	27823	2810	2860	2826.9209	2860	Swamp	54975.668
59	89	6845	27559	2740	2790	2789.8110	2789.8647	Swamp	58884.996
60	90	6982	26866	2810	2860	2860	2860	Swamp	128026.33
61	73	7160	26335	3010	3060	3060	3060	Swamp	145059.65
62	74	7140	26057	3050	3100	3100	3100	Swamp	48657.496
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2682.8741	2848.4712	Swamp	448827
66	41	5752	26270	2770	2820	2637.7106	2790.0497	Swamp	131233.32
67	41	5602	26030	2700	2750	2606.4650	2750	Swamp	379078
68	40	5626	25290	2600	2650	2581.1532	2650	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2446.1079	2500	Swamp	7203686
71	62	7449	26097	3270	3320	3228.3444	3232.2697	Swamp	42979.664
72	61	7424	26197	3230	3280	3214.5096	3225.3758	Swamp	100972
73	90	6800	26500	2760	2810	2810	2810	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2930	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2820	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	3100	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3220	Swamp	301410.65
78	74	7130	25890	3060	3110	3110	3110	Swamp	108572.17
79	77	7760	26170	3290	3340	3288.5244	3340	Swamp	180520
80	48	7550	26640	3200	3250	3185.7439	3250	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2833.6348	2835.4932	Swamp	975487.18
83	84	6927	30726	2984	3034	2835.4439	2844.6005	Swamp	496899.68
84	85	7000	29991	2910	2960	2837.9227	2844.5709	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2840	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2820	Swamp	88252.828
87	88	6928	27954	2750	2800	2800	2800	Swamp	97702.328
88	89	6855	27559	2740	2790	2790	2790	Swamp	59750.996
89	90	6794	27278	2710	2760	2760	2760	Swamp	82037.507
90	91	6636	26660	2630	2680	2680	2680	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2660	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2600	Swamp	572830.68

93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2451.0858	2514	Swamp	809781.12
95	-1	2500	21846	2295	2345	2345	2344.7698	Swamp	1437697.7
96	87	7283	27480	2925	2975	2970.7920	2975	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2806.8897	2808.8501	Swamp	70775.828
99	47	6940	28300	2780	2830	2806.8761	2808.8389	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2830	Swamp	171009.82
101	59	6500	27670	2810	2860	2816.3866	2860	Swamp	89622.492
102	55	6530	27330	2750	2800	2789.3951	2800	Swamp	116272
103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.4085	2345.9148	Cont	1272267
107	0	14902	33700	2330	2430	2379.7687	2400.9207	Cont	1793873.7
108	0	16898	33700	2630	2730	2781.8057	2781.9315	Cont	897395.5
109	0	19487	33700	2900	3000	3044.1674	3044.2094	Cont	2478921.2
110	0	21800	33700	2800	2900	2955.6584	2955.6710	Cont	2084481.7
111	0	21800	30591	3320	3420	3451.9661	3452.0122	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.3610	3476.5048	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.3784	3442.5575	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.4712	3435.5200	Cont	3572059
115	0	21800	20000	2970	3070	3122.3709	3122.4212	Cont	3062616.5
116	0	18511	20000	2830	2930	2980.9915	2981.6613	Cont	4570417
117	0	15652	20000	2410	2510	2433.4528	2493.1259	Cont	2147930.5
118	0	12500	20000	2200	2300	2350.7868	2351.5006	Cont	1958860.6
119	0	12500	21856	2195	2295	2347.2480	2347.9957	Cont	851191
120	0	12500	23928	2194.8	2294.8	2346.2104	2347.0605	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2345.8175	2346.6851	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.0320	2346.8738	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.3320	2349.9752	Cont	3153883.2
124	0	15605	32073	2570	2670	2713.9407	2715.5385	Cont	2479278.5
125	0	16992	32189	2810	2910	2831.7257	2834.5601	Cont	866017.75
126	0	18372	32305	2650	2750	2813.1389	2813.3091	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.2420	3198.3128	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.0383	3207.1801	Cont	2979780.7
129	0	19441	27370	3450	3550	3586.1321	3586.9528	Cont	3920933
130	0	19462	25661	3485	3585	3620.9084	3621.8642	Cont	4517192
131	0	18985	23075	3211	3311	3356.4928	3356.6821	Cont	7849879
132	0	17287	24068	3149	3249	3274.0432	3274.2181	Cont	3571829.7
133	0	14953	23445	2364	2464	2452.1621	2513.9150	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2347.1365	2348.5190	Cont	3344869.5

135	0	13594	28985	2325	2425	2366.4775	2390.0660	Cont	3168726
136	0	15507	30465	2690	2790	2823.8296	2828.2684	Cont	3240518.2
137	0	16132	30751	2531	2631	2695.5974	2697.2066	Cont	921241.87
138	0	16917	30726	2884	2984	2834.0896	2843.7611	Cont	435496.37
139	0	18267	30992	2859	2959	3006.2868	3006.6153	Cont	1786093.3
140	0	18301	29819	3010	3110	3152.1423	3152.7501	Cont	1887000.3
141	0	18693	28740	3217	3317	3349.4216	3350.8274	Cont	1664478.8
142	0	17787	27697	2850	2950	2999.2741	3009.2090	Cont	1143354.3
143	0	17624	26097	3250	3350	3245.7914	3255.7212	Cont	46877.496
144	0	15689	24547	2410	2510	2558.5352	2560.9188	Cont	325796.53
145	0	15107	25236	2390	2490	2400.2744	2437.6876	Cont	2299764
146	0	15203	26521	2370	2470	2389.3726	2426.1411	Cont	1188807.5
147	0	15202	28261	2370	2470	2410.0379	2482.8223	Cont	2427143.5
148	0	16195	29695	2530	2630	2691.2792	2692.2183	Cont	979702.12
149	0	16990	29991	2810	2910	2836.1465	2843.5286	Cont	192655.17
150	0	16973	29319	2690	2790	2836.7315	2838.4180	Cont	300995.53
151	0	17455	28541	2850	2950	2978.1690	2992.3792	Cont	815578.87
152	0	16918	27954	2650	2750	2797.6683	2798.2694	Cont	59082.835
153	0	17268	27047	2850	2950	2997.4316	2984.8603	Cont	225309.32
154	0	16626	26660	2530	2630	2685.2540	2683.7963	Cont	239884.65
155	0	16413	26034	2510	2610	2659.7834	2660.2108	Cont	244550.18
156	0	16129	25301	2450	2550	2601.4485	2601.8066	Cont	227482.17
157	0	16178	27422	2813	2913	2763.3131	2844.8949	Cont	297364.31
158	0	16142	28824	2650	2750	2753.2448	2777.8246	Cont	656989
159	0	16945	28630	2670	2770	2818.0408	2818.7949	Cont	180601.48
160	0	16784	27278	2610	2710	2757.7157	2758.5453	Cont	42484
161	0	16268	28173	2650	2750	2780.1847	2789.4977	Cont	135271
162	0	16365	28022	2700	2800	2800.2880	2827.2824	Cont	145908.67
163	0	16687	27823	2710	2810	2808.8894	2829.7170	Cont	54975.668
164	0	16845	27559	2640	2740	2784.4684	2786.1523	Cont	58884.996
165	0	16982	26866	2710	2810	2848.2154	2869.7675	Cont	128026.33
166	0	17160	26335	2910	3010	3039.5968	3043.9768	Cont	145059.65
167	0	17140	26057	2950	3050	3073.0790	3073.2825	Cont	48657.496
168	0	18324	26577	3180	3280	3314.9465	3324.7486	Cont	976391
169	0	18324	25947	3250	3350	3375.0386	3386.9137	Cont	781773.62
170	0	15902	26560	2750	2850	2667.7115	2808.5204	Cont	448827
171	0	15752	26270	2670	2770	2622.9908	2749.8130	Cont	131233.32
172	0	15602	26030	2600	2700	2591.6754	2711.3503	Cont	379078
173	0	15626	25290	2500	2600	2567.2103	2621.9082	Cont	253546.84
174	0	15802	27740	2520	2620	2660.8317	2667.9415	Cont	644496
175	0	15206	22144	2350	2450	2447.1577	2502.4159	Cont	7203686
176	0	17449	26097	3170	3270	3198.6736	3200.1469	Cont	42979.664

177	0	17424	26197	3130	3230	3184.1183	3193.0924	Cont	100972
178	0	16800	26500	2660	2760	2791.6959	2822.7440	Cont	124351.33
179	0	16840	26030	2780	2880	2913.4737	2915.7585	Cont	127458.33
180	0	16560	25700	2670	2770	2803.2474	2803.1676	Cont	157229.51
181	0	17130	25560	2950	3050	3086.5681	3082.4309	Cont	450920.81
182	0	17500	25800	3070	3170	3211.8481	3191.5160	Cont	301410.65
183	0	17130	25890	2960	3060	3084.3502	3082.0344	Cont	108572.17
184	0	17760	26170	3190	3290	3270.5069	3296.7890	Cont	180520
185	0	17550	26640	3100	3200	3168.2831	3206.2261	Cont	358294.5
186	0	16908	33700	2630	2730	2781.8274	2781.9539	Cont	948964.81
187	0	17002	32189	2810	2910	2831.7362	2834.5696	Cont	975487.18
188	0	16927	30726	2884	2984	2834.0911	2843.7593	Cont	496899.68
189	0	17000	29991	2810	2910	2836.1491	2843.5300	Cont	570526.5
190	0	16983	29319	2690	2790	2836.7380	2838.4254	Cont	417653.65
191	0	16955	28630	2670	2770	2818.0519	2818.8049	Cont	88252.828
192	0	16928	27954	2650	2750	2797.7090	2798.3065	Cont	97702.328
193	0	16855	27559	2640	2740	2784.5868	2786.2702	Cont	59750.996
194	0	16794	27278	2610	2710	2757.9727	2758.8100	Cont	82037.507
195	0	16636	26660	2530	2630	2685.4565	2683.9967	Cont	70964.671
196	0	16423	26034	2510	2610	2659.9878	2660.4108	Cont	114405.16
197	0	16139	25301	2450	2550	2601.7067	2602.0585	Cont	572830.68
198	0	15699	24542	2410	2510	2558.6182	2560.9634	Cont	1117802.6
199	0	14963	23435	2364	2464	2452.1723	2514.0009	Cont	809781.12
200	0	12500	21846	2195	2295	2347.0535	2347.6871	Cont	1437697.7
201	0	17283	27480	2825	2925	2956.9248	2957.3330	Cont	204297.34
202	0	17150	28050	2730	2830	2873.5448	2875.9917	Cont	187505.17
203	0	16950	28300	2680	2780	2805.9882	2807.8207	Cont	70775.828
204	0	16940	28300	2680	2780	2805.9764	2807.8090	Cont	28068.334
205	0	16700	28150	2680	2780	2816.9123	2818.7179	Cont	171009.82
206	0	16500	27670	2710	2810	2800.9036	2835.0929	Cont	89622.492
207	0	16530	27330	2650	2750	2775.3435	2789.8912	Cont	116272
208	0	17758	25649	3084	3184	3275.0843	3268.1900	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2349.5066	2351.4859	Cont	1272267
212	0	24902	33700	2130	2330	2398.7283	2419.9221	Cont	1793873.7
213	0	26898	33700	2430	2630	2785.0147	2786.8470	Cont	897395.5
214	0	29487	33700	2700	2900	3034.4107	3034.5358	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.4591	2965.4966	Cont	2084481.7
216	0	31800	30591	3120	3320	3420.9754	3421.1129	Cont	1796855.2
217	0	31800	27778	3130	3330	3469.7286	3470.1568	Cont	2428391.7
218	0	31800	25426	3090	3290	3445.9942	3446.5273	Cont	2560505.5

219	0	31800	22935	3090	3290	3427.3655	3427.5110	Cont	3572059
220	0	31800	20000	2770	2970	3126.5556	3126.7054	Cont	3062616.5
221	0	28511	20000	2630	2830	2982.7182	2984.6153	Cont	4570417
222	0	25652	20000	2210	2410	2438.7803	2505.0064	Cont	2147930.5
223	0	22500	20000	2000	2200	2352.9740	2355.6959	Cont	1958860.6
224	0	22500	21856	1995	2195	2353.1243	2356.0892	Cont	851191
225	0	22500	23928	1994.8	2194.8	2350.0524	2353.2262	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2349.3018	2352.6027	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2350.6208	2353.7846	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2361.7900	2364.3084	Cont	3153883.2
229	0	25605	32073	2370	2570	2704.8593	2707.4368	Cont	2479278.5
230	0	26992	32189	2610	2810	2828.3846	2832.2552	Cont	866017.75
231	0	28372	32305	2450	2650	2835.1357	2835.6303	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.0547	3195.2651	Cont	4098020.7
233	0	30444	29751	2850	3050	3218.3321	3218.7538	Cont	2979780.7
234	0	29441	27370	3250	3450	3561.2014	3563.6269	Cont	3920933
235	0	29462	25661	3285	3485	3595.5291	3598.3415	Cont	4517192
236	0	28985	23075	3011	3211	3348.0268	3348.5856	Cont	7849879
237	0	27287	24068	2949	3149	3230.1584	3230.9606	Cont	3571829.7
238	0	24953	23445	2164	2364	2456.0623	2514.0948	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2353.6995	2358.8528	Cont	3344869.5
240	0	23594	28985	2125	2325	2374.8921	2398.8329	Cont	3168726
241	0	25507	30465	2490	2690	2801.9787	2806.0772	Cont	3240518.2
242	0	26132	30751	2331	2531	2717.2410	2720.7594	Cont	921241.87
243	0	26917	30726	2684	2884	2831.6082	2841.4950	Cont	435496.37
244	0	28267	30992	2659	2859	3001.7786	3002.6996	Cont	1786093.3
245	0	28301	29819	2810	3010	3138.0544	3139.8203	Cont	1887000.3
246	0	28693	28740	3017	3217	3319.0372	3323.1622	Cont	1664478.8
247	0	27787	27697	2650	2850	2995.9082	3022.1674	Cont	1143354.3
248	0	27624	26097	3050	3250	3206.9146	3196.9387	Cont	46877.496
249	0	25689	24547	2210	2410	2556.3118	2563.3746	Cont	325796.53
250	0	25107	25236	2190	2390	2417.0804	2458.1559	Cont	2299764
251	0	25203	26521	2170	2370	2421.9034	2469.9484	Cont	1188807.5
252	0	25202	28261	2170	2370	2437.4241	2507.1697	Cont	2427143.5
253	0	26195	29695	2330	2530	2707.5903	2709.7683	Cont	979702.12
254	0	26990	29991	2610	2810	2832.8104	2840.6897	Cont	192655.17
255	0	26973	29319	2490	2690	2830.9947	2834.3336	Cont	300995.53
256	0	27455	28541	2650	2850	2944.3616	2979.6243	Cont	815578.87
257	0	26918	27954	2450	2650	2792.6535	2793.3573	Cont	59082.835
258	0	27268	27047	2650	2850	2985.7923	2959.3073	Cont	225309.32
259	0	26626	26660	2330	2530	2693.3826	2692.8295	Cont	239884.65
260	0	26413	26034	2310	2510	2660.0814	2661.7084	Cont	244550.18

261	0	26129	25301	2250	2450	2603.9762	2606.6741	Cont	227482.17
262	0	26178	27422	2613	2813	2743.0574	2788.3105	Cont	297364.31
263	0	26142	28824	2450	2650	2730.6327	2746.0728	Cont	656989
264	0	26945	28630	2470	2670	2814.0730	2815.4118	Cont	180601.48
265	0	26784	27278	2410	2610	2753.8758	2755.5259	Cont	42484
266	0	26268	28173	2450	2650	2756.5517	2768.9208	Cont	135271
267	0	26365	28022	2500	2700	2776.1594	2793.3213	Cont	145908.67
268	0	26687	27823	2510	2710	2786.2073	2796.4962	Cont	54975.668
269	0	26845	27559	2440	2640	2775.9435	2778.0126	Cont	58884.996
270	0	26982	26866	2510	2710	2832.6465	2875.0104	Cont	128026.33
271	0	27160	26335	2710	2910	3005.1156	3015.0842	Cont	145059.65
272	0	27140	26057	2750	2950	3032.2623	3031.6344	Cont	48657.496
273	0	28324	26577	2980	3180	3287.6924	3312.9117	Cont	976391
274	0	28324	25947	3050	3250	3333.3686	3362.0197	Cont	781773.62
275	0	25902	26560	2550	2750	2645.2610	2748.2397	Cont	448827
276	0	25752	26270	2470	2670	2602.4663	2693.1008	Cont	131233.32
277	0	25602	26030	2400	2600	2571.0885	2656.7028	Cont	379078
278	0	25626	25290	2300	2500	2549.9931	2586.2665	Cont	253546.84
279	0	25802	27740	2320	2520	2647.1377	2663.6076	Cont	644496
280	0	25206	22144	2150	2350	2450.0192	2508.7681	Cont	7203686
281	0	27449	26097	2970	3170	3154.4490	3146.5319	Cont	42979.664
282	0	27424	26197	2930	3130	3137.8996	3139.1425	Cont	100972
283	0	26800	26500	2460	2660	2772.2392	2833.3198	Cont	124351.33
284	0	26840	26030	2580	2780	2886.3592	2892.1904	Cont	127458.33
285	0	26560	25700	2470	2670	2781.2230	2781.1047	Cont	157229.51
286	0	27130	25560	2750	2950	3061.6580	3050.1051	Cont	450920.81
287	0	27500	25800	2870	3070	3191.1250	3144.4776	Cont	301410.65
288	0	27130	25890	2760	2960	3045.1423	3038.5683	Cont	108572.17
289	0	27760	26170	2990	3190	3237.6871	3231.3351	Cont	180520
290	0	27550	26640	2900	3100	3138.7417	3140.4556	Cont	358294.5
291	0	26908	33700	2430	2630	2785.0337	2786.8665	Cont	948964.81
292	0	27002	32189	2610	2810	2828.3936	2832.2632	Cont	975487.18
293	0	26927	30726	2684	2884	2831.6090	2841.493	Cont	496899.68
294	0	27000	29991	2610	2810	2832.8127	2840.6908	Cont	570526.5
295	0	26983	29319	2490	2690	2831.0011	2834.3409	Cont	417653.65
296	0	26955	28630	2470	2670	2814.0832	2815.4215	Cont	88252.828
297	0	26928	27954	2450	2650	2792.7045	2793.4039	Cont	97702.328
298	0	26855	27559	2440	2640	2776.0566	2778.1232	Cont	59750.996
299	0	26794	27278	2410	2610	2754.0898	2755.7464	Cont	82037.507
300	0	26636	26660	2330	2530	2693.5822	2693.0262	Cont	70964.671
301	0	26423	26034	2310	2510	2660.2975	2661.9165	Cont	114405.16
302	0	26139	25301	2250	2450	2604.2447	2606.9264	Cont	572830.68

303	0	25699	24542	2210	2410	2556.3923	2563.4213	Cont	1117802.6
304	0	24963	23435	2164	2364	2456.0694	2514.1733	Cont	809781.12
305	0	22500	21846	1995	2195	2352.9327	2355.7950	Cont	1437697.7
306	0	27283	27480	2625	2825	2938.2203	2934.0515	Cont	204297.34
307	0	27150	28050	2530	2730	2862.4052	2869.1723	Cont	187505.17
308	0	26950	28300	2480	2680	2803.0178	2804.4568	Cont	70775.828
309	0	26940	28300	2480	2680	2803.0042	2804.4436	Cont	28068.334
310	0	26700	28150	2480	2680	2798.4056	2801.0886	Cont	171009.82
311	0	26500	27670	2510	2710	2777.7469	2794.9595	Cont	89622.492
312	0	26530	27330	2450	2650	2757.0387	2768.8155	Cont	116272
313	0	27758	25649	2884	3084	3244.4789	3229.1906	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2356.6349	2361.3756	Cont	1272267
317	0	4902	18700	1730	2130	2425.6805	2448.0755	Cont	1793873.7
318	0	6898	18700	2030	2430	2790.0821	2794.5118	Cont	897395.5
319	0	9487	18700	2300	2700	3021.2435	3021.5226	Cont	2478921.2
320	0	11800	18700	2200	2600	2979.6816	2979.7660	Cont	2084481.7
321	0	11800	15591	2720	3120	3376.6797	3376.9891	Cont	1796855.2
322	0	11800	12778	2730	3130	3459.0036	3459.9636	Cont	2428391.7
323	0	11800	10426	2690	3090	3449.6113	3450.8032	Cont	2560505.5
324	0	11800	7935	2690	3090	3414.7643	3415.0923	Cont	3572059
325	0	11800	5000	2370	2770	3132.8503	3133.1848	Cont	3062616.5
326	0	8511	5000	2230	2630	2985.2318	2989.1130	Cont	4570417
327	0	5652	5000	1810	2210	2447.0437	2523.0319	Cont	2147930.5
328	0	2500	5000	1600	2000	2356.5448	2362.7075	Cont	1958860.6
329	0	2500	6856	1595	1995	2363.2021	2369.8119	Cont	851191
330	0	2500	8928	1594.8	1994.8	2356.0961	2363.0724	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2355.2825	2362.7499	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2358.2191	2365.2957	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2379.4741	2385.5467	Cont	3153883.2
334	0	5605	17073	1970	2370	2693.2358	2696.9407	Cont	2479278.5
335	0	6992	17189	2210	2610	2823.2936	2828.7454	Cont	866017.75
336	0	8372	17305	2050	2450	2864.8834	2865.9327	Cont	2341256.2
337	0	10053	15641	2450	2850	3189.9420	3190.4118	Cont	4098020.7
338	0	10444	14751	2450	2850	3232.0566	3232.9949	Cont	2979780.7
339	0	9441	12370	2850	3250	3522.2438	3527.5055	Cont	3920933
340	0	9462	10661	2885	3285	3555.7726	3561.7821	Cont	4517192
341	0	8985	8075	2611	3011	3333.6802	3334.9248	Cont	7849879
342	0	7287	9068	2549	2949	3164.0776	3167.2103	Cont	3571829.7
343	0	4953	8445	1764	2164	2462.6564	2514.7294	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2364.4608	2375.6103	Cont	3344869.5

345	0	3594	13985	1725	2125	2387.5558	2412.5391	Cont	3168726
346	0	5507	15465	2090	2490	2772.6802	2777.1793	Cont	3240518.2
347	0	6132	15751	1931	2331	2739.2419	2744.0147	Cont	921241.87
348	0	6917	15726	2284	2684	2827.4486	2837.4983	Cont	435496.37
349	0	8267	15992	2259	2659	2995.6543	2997.5062	Cont	1786093.3
350	0	8301	14819	2410	2810	3116.3291	3120.0425	Cont	1887000.3
351	0	8693	13740	2617	3017	3275.0948	3283.7753	Cont	1664478.8
352	0	7787	12697	2250	2650	2986.4818	3033.4034	Cont	1143354.3
353	0	7624	11097	2650	3050	3154.5649	3121.2121	Cont	46877.496
354	0	5689	9547	1810	2210	2553.4117	2567.2108	Cont	325796.53
355	0	5107	10236	1790	2190	2441.3244	2483.8169	Cont	2299764
356	0	5203	11521	1770	2170	2464.2032	2517.5936	Cont	1188807.5
357	0	5202	13261	1770	2170	2476.8555	2539.2542	Cont	2427143.5
358	0	6195	14695	1930	2330	2722.7943	2726.8434	Cont	979702.12
359	0	6990	14991	2210	2610	2827.0207	2835.6040	Cont	192655.17
360	0	6973	14319	2090	2490	2822.0053	2827.5516	Cont	300995.53
361	0	7455	13541	2250	2650	2904.9528	2961.9926	Cont	815578.87
362	0	6918	12954	2050	2450	2782.1687	2784.2924	Cont	59082.835
363	0	7268	12047	2250	2650	2961.2843	2925.0560	Cont	225309.32
364	0	6626	11660	1930	2330	2702.8612	2704.5001	Cont	239884.65
365	0	6413	11034	1910	2310	2661.1571	2664.9372	Cont	244550.18
366	0	6129	10301	1850	2250	2606.7903	2613.3701	Cont	227482.17
367	0	6178	12422	2213	2613	2738.9460	2757.1407	Cont	297364.31
368	0	6142	13824	2050	2450	2705.1649	2714.7540	Cont	656989
369	0	6945	13630	2070	2470	2806.2917	2808.9656	Cont	180601.48
370	0	6784	12278	2010	2410	2746.8938	2750.7797	Cont	42484
371	0	6268	13173	2050	2450	2732.5002	2744.8283	Cont	135271
372	0	6365	13022	2100	2500	2759.9495	2771.1684	Cont	145908.67
373	0	6687	12823	2110	2510	2767.5757	2773.8543	Cont	54975.668
374	0	6845	12559	2040	2440	2763.6826	2767.4153	Cont	58884.996
375	0	6982	11866	2110	2510	2817.1428	2864.9391	Cont	128026.33
376	0	7160	11335	2310	2710	2960.2537	2971.3358	Cont	145059.65
377	0	7140	11057	2350	2750	2982.3037	2978.4236	Cont	48657.496
378	0	8324	11577	2580	2980	3245.6646	3288.9137	Cont	976391
379	0	8324	10947	2650	3050	3275.9412	3320.7509	Cont	781773.62
380	0	5902	11560	2150	2550	2621.2829	2683.5304	Cont	448827
381	0	5752	11270	2070	2470	2582.9706	2637.7594	Cont	131233.32
382	0	5602	11030	2000	2400	2552.5722	2604.8147	Cont	379078
383	0	5626	10290	1900	2300	2538.0459	2559.8192	Cont	253546.84
384	0	5802	12740	1920	2320	2632.5171	2658.1335	Cont	644496
385	0	5206	7144	1750	2150	2454.6184	2518.2337	Cont	7203686
386	0	7449	11097	2570	2970	3098.7929	3075.8186	Cont	42979.664

387	0	7424	11197	2530	2930	3080.9439	3068.1783	Cont	100972
388	0	6800	11500	2060	2460	2760.0947	2830.0575	Cont	124351.33
389	0	6840	11030	2180	2580	2852.6227	2860.7762	Cont	127458.33
390	0	6560	10700	2070	2470	2759.5141	2759.8246	Cont	157229.51
391	0	7130	10560	2350	2750	3020.8576	3000.8835	Cont	450920.81
392	0	7500	10800	2470	2870	3148.8703	3080.9526	Cont	301410.65
393	0	7130	10890	2360	2760	2995.6528	2983.7566	Cont	108572.17
394	0	7760	11170	2590	2990	3187.9768	3152.5226	Cont	180520
395	0	7550	11640	2500	2900	3096.5820	3064.9478	Cont	358294.5
396	0	6908	18700	2030	2430	2790.0968	2794.5265	Cont	948964.81
397	0	7002	17189	2210	2610	2823.3004	2828.7513	Cont	975487.18
398	0	6927	15726	2284	2684	2827.4483	2837.4958	Cont	496899.68
399	0	7000	14991	2210	2610	2827.0223	2835.6046	Cont	570526.5
400	0	6983	14319	2090	2490	2822.0118	2827.5591	Cont	417653.65
401	0	6955	13630	2070	2470	2806.3016	2808.9757	Cont	88252.828
402	0	6928	12954	2050	2450	2782.2286	2784.3458	Cont	97702.328
403	0	6855	12559	2040	2440	2763.7868	2767.5133	Cont	59750.996
404	0	6794	12278	2010	2410	2747.0526	2750.9427	Cont	82037.507
405	0	6636	11660	1930	2330	2703.0485	2704.6849	Cont	70964.671
406	0	6423	11034	1910	2310	2661.3873	2665.1551	Cont	114405.16
407	0	6139	10301	1850	2250	2607.0731	2613.6240	Cont	572830.68
408	0	5699	9542	1810	2210	2553.4880	2567.2603	Cont	1117802.6
409	0	4963	8435	1764	2164	2462.6672	2514.7968	Cont	809781.12
410	0	2500	6846	1595	1995	2363.0170	2369.5420	Cont	1437697.7
411	0	7283	12480	2225	2625	2916.7887	2910.7066	Cont	204297.34
412	0	7150	13050	2130	2530	2846.5037	2859.2561	Cont	187505.17
413	0	6950	13300	2080	2480	2794.6337	2796.9652	Cont	70775.828
414	0	6940	13300	2080	2480	2794.6153	2796.9482	Cont	28068.334
415	0	6700	13150	2080	2480	2780.0134	2784.4830	Cont	171009.82
416	0	6500	12670	2110	2510	2755.172	2765.1928	Cont	89622.492
417	0	6530	12330	2050	2450	2741.6505	2750.8127	Cont	116272
418	0	7758	10649	2484	2884	3194.2462	3173.2772	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2382.6025	2389.8964	Cont	1272267
422	0	14902	18700	730	1730	2485.0169	2503.2160	Cont	1793873.7
423	0	16898	18700	1030	2030	2798.4726	2805.1289	Cont	897395.5
424	0	19487	18700	1300	2300	3002.0472	3002.8208	Cont	2478921.2
425	0	21800	18700	1200	2200	3005.8544	3006.1056	Cont	2084481.7
426	0	21800	15591	1720	2720	3298.214	3299.1241	Cont	1796855.2
427	0	21800	12778	1730	2730	3431.6926	3434.4540	Cont	2428391.7
428	0	21800	10426	1690	2690	3445.6459	3449.0221	Cont	2560505.5

429	0	21800	7935	1690	2690	3386.1670	3387.1466	Cont	3572059
430	0	21800	5000	1370	2370	3145.5194	3146.4686	Cont	3062616.5
431	0	18511	5000	1230	2230	2989.6993	2998.3407	Cont	4570417
432	0	15652	5000	810	1810	2473.0901	2560.5070	Cont	2147930.5
433	0	12500	5000	600	1600	2368.0598	2380.8245	Cont	1958860.6
434	0	12500	6856	595	1595	2380.4527	2391.6950	Cont	851191
435	0	12500	8928	594.8	1594.8	2374.1310	2386.3052	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2377.7498	2390.6892	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2383.7288	2395.0389	Cont	2731819
438	0	13567	16979	594.5	1594.5	2419.5056	2428.0086	Cont	3153883.2
439	0	15605	17073	970	1970	2680.9961	2683.3725	Cont	2479278.5
440	0	16992	17189	1210	2210	2817.1221	2824.1702	Cont	866017.75
441	0	18372	17305	1050	2050	2908.7206	2911.1325	Cont	2341256.2
442	0	20053	15641	1450	2450	3177.0764	3178.4004	Cont	4098020.7
443	0	20444	14751	1450	2450	3242.6329	3245.2033	Cont	2979780.7
444	0	19441	12370	1850	2850	3434.3806	3447.3014	Cont	3920933
445	0	19462	10661	1885	2885	3465.5537	3479.7488	Cont	4517192
446	0	18985	8075	1611	2611	3294.6553	3298.3231	Cont	7849879
447	0	17287	9068	1549	2549	3028.0070	3044.8592	Cont	3571829.7
448	0	14953	8445	764	1764	2473.6680	2516.5242	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2398.3674	2414.1767	Cont	3344869.5
450	0	13594	13985	725	1725	2421.5374	2443.3660	Cont	3168726
451	0	15507	15465	1090	2090	2732.6298	2735.3267	Cont	3240518.2
452	0	16132	15751	931	1931	2738.2882	2750.5437	Cont	921241.87
453	0	16917	15726	1284	2284	2821.1202	2830.6547	Cont	435496.37
454	0	18267	15992	1259	2259	2985.1974	2989.1395	Cont	1786093.3
455	0	18301	14819	1410	2410	3070.8970	3079.0875	Cont	1887000.3
456	0	18693	13740	1617	2617	3194.5773	3212.5586	Cont	1664478.8
457	0	17787	12697	1250	2250	2956.1494	3023.2581	Cont	1143354.3
458	0	17624	11097	1650	2650	3032.0145	3013.2134	Cont	46877.496
459	0	15689	9547	810	1810	2550.2425	2571.5948	Cont	325796.53
460	0	15107	10236	790	1790	2498.7374	2520.6305	Cont	2299764
461	0	15203	11521	770	1770	2530.8406	2559.7216	Cont	1188807.5
462	0	15202	13261	770	1770	2554.2921	2584.2982	Cont	2427143.5
463	0	16195	14695	930	1930	2712.5465	2732.3422	Cont	979702.12
464	0	16990	14991	1210	2210	2817.8706	2826.7274	Cont	192655.17
465	0	16973	14319	1090	2090	2809.5202	2816.9234	Cont	300995.53
466	0	17455	13541	1250	2250	2870.4228	2931.5546	Cont	815578.87
467	0	16918	12954	1050	2050	2770.8105	2775.3404	Cont	59082.835
468	0	17268	12047	1250	2250	2887.3629	2874.6322	Cont	225309.32
469	0	16626	11660	930	1930	2702.3649	2706.8870	Cont	239884.65
470	0	16413	11034	910	1910	2661.4719	2667.9458	Cont	244550.18

471	0	16129	10301	850	1850	2608.2027	2619.6184	Cont	227482.17
472	0	16178	12422	1213	2213	2632.8921	2676.6355	Cont	297364.31
473	0	16142	13824	1050	2050	2662.4697	2695.4707	Cont	656989
474	0	16945	13630	1070	2070	2793.8598	2799.3866	Cont	180601.48
475	0	16784	12278	1010	2010	2738.9398	2743.5860	Cont	42484
476	0	16268	13173	1050	2050	2674.3445	2706.9857	Cont	135271
477	0	16365	13022	1100	2100	2679.6097	2717.1440	Cont	145908.67
478	0	16687	12823	1110	2110	2731.6454	2752.2670	Cont	54975.668
479	0	16845	12559	1040	2040	2753.3529	2757.9837	Cont	58884.996
480	0	16982	11866	1110	2110	2808.4614	2828.1344	Cont	128026.33
481	0	17160	11335	1310	2310	2893.3402	2896.1925	Cont	145059.65
482	0	17140	11057	1350	2350	2902.0628	2897.2054	Cont	48657.496
483	0	18324	11577	1580	2580	3152.9104	3218.0880	Cont	976391
484	0	18324	10947	1650	2650	3164.6834	3227.4507	Cont	781773.62
485	0	15902	11560	1150	2150	2585.2247	2629.7254	Cont	448827
486	0	15752	11270	1070	2070	2562.6349	2603.7664	Cont	131233.32
487	0	15602	11030	1000	2000	2542.7882	2581.1397	Cont	379078
488	0	15626	10290	900	1900	2529.8564	2561.0266	Cont	253546.84
489	0	15802	12740	920	1920	2604.0645	2641.5875	Cont	644496
490	0	15206	7144	750	1750	2468.8103	2536.9921	Cont	7203686
491	0	17449	11097	1570	2570	2988.7841	2973.003	Cont	42979.664
492	0	17424	11197	1530	2530	2978.1494	2966.6024	Cont	100972
493	0	16800	11500	1060	2060	2765.4932	2797.7134	Cont	124351.33
494	0	16840	11030	1180	2180	2806.0051	2810.1825	Cont	127458.33
495	0	16560	10700	1070	2070	2729.0911	2732.1911	Cont	157229.51
496	0	17130	10560	1350	2350	2925.7805	2912.7763	Cont	450920.81
497	0	17500	10800	1470	2470	3013.4495	2979.2648	Cont	301410.65
498	0	17130	10890	1360	2360	2908.6845	2899.7024	Cont	108572.17
499	0	17760	11170	1590	2590	3060.2926	3043.1133	Cont	180520
500	0	17550	11640	1500	2500	2990.2953	2971.7005	Cont	358294.5
501	0	16908	18700	1030	2030	2798.4808	2805.1371	Cont	948964.81
502	0	17002	17189	1210	2210	2817.1256	2824.1732	Cont	975487.18
503	0	16927	15726	1284	2284	2821.1181	2830.6516	Cont	496899.68
504	0	17000	14991	1210	2210	2817.8701	2826.7266	Cont	570526.5
505	0	16983	14319	1090	2090	2809.5267	2816.9307	Cont	417653.65
506	0	16955	13630	1070	2070	2793.8681	2799.3955	Cont	88252.828
507	0	16928	12954	1050	2050	2770.8642	2775.3939	Cont	97702.328
508	0	16855	12559	1040	2040	2753.4438	2758.0740	Cont	59750.996
509	0	16794	12278	1010	2010	2739.0712	2743.7175	Cont	82037.507
510	0	16636	11660	930	1930	2702.5368	2707.0539	Cont	70964.671
511	0	16423	11034	910	1910	2661.6964	2668.1535	Cont	114405.16
512	0	16139	10301	850	1850	2608.4964	2619.8706	Cont	572830.68

513	0	15699	9542	810	1810	2550.3103	2571.6455	Cont	1117802.6	
514	0	14963	8435	764	1764	2473.6834	2516.5758	Cont	809781.12	
515	0	12500	6846	595	1595	2380.2790	2391.4626	Cont	1437697.7	
516	0	17283	12480	1225	2225	2869.7907	2879.6797	Cont	204297.34	
517	0	17150	13050	1130	2130	2822.7116	2843.1034	Cont	187505.17	
518	0	16950	13300	1080	2080	2783.5933	2788.5048	Cont	70775.828	
519	0	16940	13300	1080	2080	2783.5787	2788.4898	Cont	28068.334	
520	0	16700	13150	1080	2080	2742.8495	2758.6238	Cont	171009.82	
521	0	16500	12670	1110	2110	2698.3394	2725.1664	Cont	89622.492	
522	0	16530	12330	1050	2050	2697.0677	2717.3371	Cont	116272	
523	0	17758	10649	1484	2484	3067.0419	3072.0644	Cont	232642.84	
524	0	5506	24899	0	0	0	0	Cont	0	1-2533
525	0	6447	26303	0	0	0	0	Cont	0	2-2642
526	0	7069	13079	0	0	0	0	Cont	0	3-2842
527	0	26439	26298	0	0	0	0	Cont	0	4-2643
528	0	5152	24460	0	0	0	0	Cont	0	5-2508
529	0	24908	24383	0	0	0	0	Cont	0	6-2483
530	0	4916	24385	0	0	0	0	Cont	0	7-2465
531	0	4845	23673	0	0	0	0	Cont	0	8-2460
532	0	7283	12480	0	0	0	0	Cont	0	10-2927
533	0	7288	27462	0	0	0	0	Cont	0	10T-2957
534	0	7729	10665	0	0	0	0	Cont	0	11-3234
535	0	7758	25649	0	0	0	0	Cont	0	11T-3215
536	0	6749	13388	0	0	0	0	Cont	0	13-2692
537	0	6281	12874	0	0	0	0	Cont	0	14-2138
538	0	5965	25190	0	0	0	0	Cont	0	WCS-2590

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TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	296819.89	0	1651902.8	194158.88	0	2155058.7	
2	0	418510.72	0	0	6157.2619	489613.34	0.0041889	
3	0	209362.37	0	0	91990.095	495470.37	-1.234039	
4	0	578332.30	0	0	0	4337.9330	526147.01	
5	0	486309.57	0	0	2807.7688	0	528521.27	
6	0	419206.31	0	0	0	8180.5638	303287.71	

7	0	566543.81	0	0	403.05252	1727.9266	536926.78
8	0	597365.93	0	0	2725.7745	0	621920.73
9	0	833361.32	0	0	0	2920.4341	777098.61
10	0	714508.46	0	0	1947.5288	470.44501	740703.86
11	0	1066278.2	0	0	3868.7945	2417.3323	1093039.8
12	0	501112.22	0	0	3150.7280	552279.3	0.0012124
13	0	457002.19	0	0	1007534.8	248545.89	1230684.5
14	0	198582.86	0	0	7773334.3	0	8228108.5
15	0	711128.18	0	0	2479899.2	340.92907	3225127.8
16	0	416873.23	0	4144906	722013.28	0	5302415.6
17	0	637333.41	0	0	824740.21	0	1495840.5
18	0	735800.98	0	526671.58	312074.68	8918.4629	1651902.8
19	0	578415.67	0	0	1169.2553	9328.2623	526671.59
20	0	202041.96	0	0	507007.33	569234.10	6202.2520
21	0	546215.06	0	1332906.3	9212.2262	0	1992200.5
22	0	956068.22	0	0	3149.0550	4303.1912	931866.88
23	0	695182.83	0	0	7754.0158	6.1876489	774248.13
24	0	914753.70	0	0	440.30489	9748.4936	734922.30
25	0	1053860.9	0	0	0	10638.790	845433.48
26	0	1831376.8	0	0	3904.7723	7066.7574	1715232.3
27	0	833307.86	0	0	1169.6587	28684.679	406591.88
28	0	419248.61	0	0	5521661.9	5953635.4	-0.695375
29	0	780358.09	0	1.0193e-8	3306400.3	4031.5208	4144905.9
30	0	739263.81	0	0	822514.35	1613250.2	-0.005700
31	0	756012.88	0	0	0	25797.294	557560.34
32	0	214925.72	0	557560.34	10649.362	0	847803.82
33	0	101601.29	0	0	24838.040	41613.361	4819.1565
34	0	416695.57	0	0	2555.5030	4014.3824	401039.51
35	0	440237.17	0	774248.13	3254.6782	5760.2033	1166378.1
36	0	388322.91	0	0	1090.7430	8169.2179	291514.80
37	0	266744.56	0	734922.30	7607.1869	1256.9368	1043114.3
38	0	10936.520	0	0	3256.2413	3458.8448	-0.000900
39	0	76008.323	0	0	221457.00	430154.10	-1.871038
40	0	536534.90	0	14685.429	1016831.1	1684985.4	-0.049244
41	0	277348.79	0	2656.1815	24780.959	466871.30	-0.024523
42	0	566252.57	0	1408390.7	17185.459	2147706.1	-0.008811
43	0	228564.51	0	847803.82	10685.446	0	1148799.4
44	0	44946.450	0	0	45135.857	18662.149	1868.0684
45	0	70222.250	0	0	147526.30	113284.49	0.1750357
46	0	190274.54	0	291514.80	3087.0464	5023.2543	459135.46
47	0	13784.025	0	32526.879	205521.45	189926.32	-0.235146
48	0	52564.667	0	1070958.9	8909.1649	10508.232	1101614.8

49	0	55965.092	0	0	1524044.1	1820628.3	-0.361817
50	0	57053.553	0	0	1781682.3	1866191.8	-0.370880
51	0	53071.589	0	0	397831.15	613547.73	-0.573894
52	0	69375.099	0	0	0	11831.870	-0.047444
53	0	153275.53	0	0	736.5797	12807.817	72727.184
54	0	42134.33	0	0	94580.886	84588.108	-0.105749
55	0	9911.5172	0	23732.488	726901.78	704091.61	-0.554312
56	0	31558.724	0	16017.165	1989.2402	1504.6790	43324.956
57	0	34040.491	0	0	574.08278	2838.1443	16017.158
58	0	12825.823	0	0	0	3691.9339	727.22620
59	0	13737.870	0	13463.313	973125.25	886340.98	-0.330647
60	0	29868.543	0	0	6933.0017	2975.6300	40695.150
61	0	33842.420	0	1.624e-10	7879.1894	8620.8216	17605.371
62	0	11351.794	0	5.496e-11	2336.1766	3632.2207	1389.0487
63	0	227792.02	0	845433.48	3486.9037	1684.1559	1057937.1
64	0	182387.79	0	0	2874.5988	5313.8144	145846.92
65	0	104711.33	0	0	1400.8597	14438.101	-0.043117
66	0	30616.736	0	0	470.65396	5298.5839	-0.006956
67	0	88438.897	0	0	1265.0006	14277.252	2656.1762
68	0	59152.476	0	0	0	8639.8374	14685.423
69	0	150360.91	0	43324.956	11589.290	10104.336	186864.03
70	0	1680620.0	0	1715232.3	8491.5354	1873260.6	1628596.6
71	0	10027.156	0	0	1521.1245	2344.0836	-0.001151
72	0	23556.767	0	0	5122.6933	6947.9839	-0.002402
73	0	29011.166	0	17605.371	7833.7955	3835.4049	59580.545
74	0	29736.029	0	238067.76	5900.6549	7032.3316	254570.81
75	0	36681.642	0	0	3816.1779	8204.5341	14649.657
76	0	105199.83	0	0	9056.6305	10282.120	51159.418
77	0	70319.108	0	214731.38	1556.4791	9219.5096	234520.74
78	0	25329.886	0	234520.74	2026.0615	4956.1145	236678.71
79	0	42115.316	0	0	245.89982	5068.6475	8636.2528
80	0	83590.106	0	0	1146.7341	10761.837	13021.745
81	0	221393.49	0	1992200.5	586237.33	0	2901957.7
82	0	227581.19	0	0	475920.65	567917.27	11.193650
83	0	115926.69	0	0	39550.592	55817.981	11.801127
84	0	133103.83	0	11.801127	2434.0999	62061.634	15.538527
85	0	97438.600	0	1166393.7	19592.159	163789.16	1015042.6
86	0	20589.386	0	1474178.1	97003.267	128732.85	1397772.5
87	0	22793.954	0	2514483.4	137184.91	141976.78	2473050.6
88	0	13939.908	0	2473050.6	440455.60	915493.90	1883170.3
89	0	19139.348	0	2984785.2	352030.91	473330.33	2837345.8
90	0	16556.056	0	2937621.5	2379261.7	1585782.4	3985145.6

91	0	26690.725	0	4254366.1	1575601.4	1716817.6	4166101.5
92	0	133641.39	0	4217260.9	867844.38	492653.69	4882147.4
93	0	260783.32	0	5288739.3	310936.94	93930.976	5874383.2
94	0	188921.94	0	5874383.2	2154113.1	5798695.1	2418956.8
95	0	335414.86	0	4047553.4	2277066.7	7308062.6	10.856834
96	0	47662.567	0	0	1513.3485	4556.1908	32588.662
97	0	43744.955	0	0	2060.8612	2292.6324	41007.957
98	0	16512.001	0	0	86049.216	69441.206	-77.72142
99	0	6548.3421	0	0	134552.51	107560.46	-0.245443
100	0	39896.594	0	0	129.21917	1067.8175	32526.874
101	0	20908.929	0	0	121.91150	853.98310	12736.082
102	0	27126.257	0	0	1450.0129	925.88519	23732.482
103	0	54275.573	0	0	6315.9444	343.31936	60248.198
104	[DELETED]						
105	[DELETED]						
106	0	0	0	0	363.94994	0	0.0005872
107	0	0	0	0	8785.4860	650.53203	0.0036228
108	0	0	0	0	24652.982	2907.6886	-6.225116
109	0	0	0	0	0	7880.1800	0.0044577
110	0	0	0	0	5268.5809	0	0.0007314
111	0	0	0	0	0	15202.193	0.0006153
112	0	0	0	0	772.77940	3372.8097	7.5275e-5
113	0	0	0	0	4888.0652	0	-0.000179
114	0	0	0	0	0	5661.1110	-0.000233
115	0	0	0	0	3812.0136	961.50327	-3.135e-5
116	0	0	0	0	7610.5668	4801.8115	2.8626e-5
117	0	0	0	0	6226.9916	741.45309	0.0011644
118	0	0	0	0	1280.4394	283.71977	0.0069619
119	0	0	0	0	24157.314	0	-14.84181
120	0	0	0	0	3118.3109	0	0.0021406
121	0	0	0	0	999.93644	0	-0.000683
122	0	0	0	0	2301.4905	0	0.0005385
123	0	0	0	0	11068.473	136.68651	0.0027243
124	0	0	0	0	2605.0528	10513.952	0.0241023
125	0	0	0	0	96987.015	112429.96	1240.4284
126	0	0	0	0	16767.446	0	0.0229289
127	0	0	0	0	6083.1064	8314.5702	0.0046735
128	0	0	0	0	14073.862	234.82630	0.0011843
129	0	0	0	0	856.92252	18947.822	-0.000623
130	0	0	0	0	0	20694.222	-0.001654
131	0	0	0	0	6889.3219	13944.108	-0.003547
132	0	0	0	0	2904.9037	53696.410	-0.033660

133	0	0	0	0	906511.27	911083.95	-38.25202
134	0	0	0	0	4622.1016	51.683136	-0.004202
135	0	0	0	0	7231.0109	2058.8806	-0.000614
136	0	0	0	0	0	31806.892	0.0165656
137	0	0	0	0	17677.659	0	0.0244725
138	0	0	0	0	8003.2180	11571.939	964.49963
139	0	0	0	0	4975.5245	7516.1739	0.0220507
140	0	0	0	0	6295.6304	11233.032	0.0114331
141	0	0	0	0	2465.4239	15448.102	0.0011785
142	0	0	0	0	13894.450	3490.7978	-0.005588
143	0	0	0	0	5059.1659	6607.8356	-0.001359
144	0	0	0	0	69808.932	56586.405	-135.8418
145	0	0	0	0	26441.591	2077.6860	-0.035464
146	0	0	0	0	42467.813	1231.7329	-0.014345
147	0	0	0	0	30262.908	2709.8256	-0.012130
148	0	0	0	0	17401.076	0	0.0095076
149	0	0	0	0	6221.1787	8922.3843	376.01734
150	0	0	0	0	22005.269	31391.021	18.211065
151	0	0	0	0	6291.7297	9671.7127	-0.001813
152	0	0	0	0	50479.254	49711.749	-28.40087
153	0	0	0	0	15296.446	18466.570	-0.010722
154	0	0	0	0	302550.70	253227.41	-41.16603
155	0	0	0	0	314752.99	322751.49	-42.84518
156	0	0	0	0	87998.549	60604.748	-67.78944
157	0	0	0	0	0	18545.094	-0.032338
158	0	0	0	0	1947.3538	21399.944	-0.002700
159	0	0	0	0	16752.199	17170.206	-6.337891
160	0	0	0	0	137417.24	142831.32	-54.60952
161	0	0	0	0	2973.4438	3069.8327	-0.005122
162	0	0	0	0	629.16362	4608.9489	-0.011522
163	0	0	0	0	78.140917	3873.7023	-0.005480
164	0	0	0	0	144732.00	171240.85	-37.38620
165	0	0	0	0	11167.853	6142.2316	-0.006310
166	0	0	0	0	13819.651	15344.551	-0.004345
167	0	0	0	0	4597.0558	6508.7790	-0.001504
168	0	0	0	0	6387.0163	4215.5567	-0.002270
169	0	0	0	0	5838.8050	7504.6352	-0.001920
170	0	0	0	0	2364.9532	24876.719	-0.023979
171	0	0	0	0	1118.3580	8732.9627	-0.004424
172	0	0	0	0	2478.2221	23802.816	-0.007312
173	0	0	0	0	399.14126	13498.269	-0.009042
174	0	0	0	0	19399.205	18961.575	-0.024859

175	0	0	0	0	16535.803	4571.2123	0.0042172
176	0	0	0	0	2936.9590	4459.9790	-0.001220
177	0	0	0	0	8971.5610	12544.939	-0.001950
178	0	0	0	0	13466.949	8221.4574	-0.004988
179	0	0	0	0	10897.415	12985.574	-0.004685
180	0	0	0	0	8534.9564	14615.493	-0.008660
181	0	0	0	0	16469.996	20697.019	-0.009003
182	0	0	0	0	8828.4214	16300.026	-0.003207
183	0	0	0	0	4238.5832	8749.7454	-0.002153
184	0	0	0	0	951.14719	7903.8777	-0.001247
185	0	0	0	0	2831.6601	17993.587	-0.004533
186	0	0	0	0	11900.707	0	0.2249343
187	0	0	0	0	91881.682	108795.13	4.0538596
188	0	0	0	0	8213.8530	13813.989	3.9094065
189	0	0	0	0	4813.7740	8030.1118	1.3315967
190	0	0	0	0	9180.5931	18690.202	0.2046012
191	0	0	0	0	24151.028	24725.534	-0.088920
192	0	0	0	0	39845.179	39011.211	-0.292488
193	0	0	0	0	101150.13	131409.04	-0.376242
194	0	0	0	0	85353.284	89802.019	-0.497028
195	0	0	0	0	363814.13	314157.65	-0.379873
196	0	0	0	0	289527.82	296976.27	-0.321614
197	0	0	0	0	132497.02	106023.99	-0.330439
198	0	0	0	0	54730.778	43602.132	-1.961125
199	0	0	0	0	864645.48	878811.58	-0.759367
200	0	0	0	0	42735.915	0	-0.113600
201	0	0	0	0	3365.7653	7469.5843	-0.004441
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203	0	0	0	0	19750.640	14985.825	-25.69347
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214	0	0	0	0	253.37508	13338.445	0.0052267
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216	0	0	0	0	0	26465.789	0.0007275

217	0	0	0	0	1417.6156	6482.1542	8.8628e-5
218	0	0	0	0	7817.2258	0	-0.000211
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224	0	0	0	0	35269.385	0	-53.42631
225	0	0	0	0	6312.3802	0	0.0028423
226	0	0	0	0	2513.5028	0	-0.000868
227	0	0	0	0	5260.4107	0	0.0006877
228	0	0	0	0	20415.77	892.72776	0.0034056
229	0	0	0	0	6151.9214	18718.165	0.0266286
230	0	0	0	0	172288.78	197726.48	2465.4793
231	0	0	0	0	28096.094	118.06863	0.0248385
232	0	0	0	0	11904.317	16145.886	0.0053984
233	0	0	0	0	23319.218	1203.6917	0.0013543
234	0	0	0	0	1629.4122	36037.204	-0.000728
235	0	0	0	0	0	39472.809	-0.001937
236	0	0	0	0	11008.798	27573.298	-0.004110
237	0	0	0	0	7239.5243	98916.967	-0.039398
238	0	0	0	0	1790242.7	1803728.0	-284.7884
239	0	0	0	0	11325.538	426.79899	-0.005250
240	0	0	0	0	14427.978	4320.6372	-0.000427
241	0	0	0	0	0	49140.392	0.0200564
242	0	0	0	0	23792.188	0	0.0257263
243	0	0	0	0	11470.617	18463.391	1922.7926
244	0	0	0	0	9438.7046	13365.350	0.0235734
245	0	0	0	0	11900.813	21464.468	0.0124403
246	0	0	0	0	5854.9379	27969.728	0.0012656
247	0	0	0	0	23635.035	9647.0725	-0.006782
248	0	0	0	0	8659.9009	11928.699	-0.003517
249	0	0	0	0	141890.82	116761.32	-995.2140
250	0	0	0	0	38626.356	4083.4103	-0.038550
251	0	0	0	0	60309.546	5178.6949	-0.016158
252	0	0	0	0	49378.443	5605.6068	-0.013769
253	0	0	0	0	22772.309	0	0.0105040
254	0	0	0	0	17311.442	23481.827	763.12741
255	0	0	0	0	42699.223	58718.808	118.95087
256	0	0	0	0	12881.165	18235.432	-0.002152
257	0	0	0	0	124357.49	128697.05	-209.7029
258	0	0	0	0	24603.112	30255.733	-0.018125

259	0	0	0	0	319837.62	253701.14	-304.8444
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261	0	0	0	0	98533.213	56829.990	-498.0370
262	0	0	0	0	173.13490	24882.857	-0.043037
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265	0	0	0	0	237062.68	248091.61	-406.0580
266	0	0	0	0	3954.3916	5877.6735	-0.010137
267	0	0	0	0	626.46688	6750.9952	-0.022203
268	0	0	0	0	0	1928.7410	-0.012721
269	0	0	0	0	206236.68	236137.52	-278.8913
270	0	0	0	0	15727.844	12113.526	-0.010103
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273	0	0	0	0	10981.457	10717.864	-0.002743
274	0	0	0	0	12107.244	17657.378	-0.002451
275	0	0	0	0	3758.2597	35798.906	-0.016181
276	0	0	0	0	2541.5770	11848.329	-0.004190
277	0	0	0	0	4940.4851	31962.338	-0.007596
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279	0	0	0	0	28531.367	31753.382	-0.023962
280	0	0	0	0	31374.177	9564.2236	0.0055900
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282	0	0	0	0	14650.366	20866.144	-0.002504
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285	0	0	0	0	18389.087	24375.765	-0.015032
286	0	0	0	0	28594.921	40191.073	-0.011338
287	0	0	0	0	17994.726	29489.462	-0.004033
288	0	0	0	0	8590.8697	14403.207	-0.002177
289	0	0	0	0	3164.0144	11801.032	-0.001462
290	0	0	0	0	8792.2117	28298.182	-0.004390
291	0	0	0	0	19883.210	0	0.5457351
292	0	0	0	0	161974.37	190289.14	1.7448741
293	0	0	0	0	12178.705	23288.057	2.4227747
294	0	0	0	0	10050.892	17376.603	0.6894165
295	0	0	0	0	19207.606	35352.113	0.2163688
296	0	0	0	0	45575.709	48644.725	-0.105985
297	0	0	0	0	96358.595	100950.92	0.1039559
298	0	0	0	0	138350.75	172720.03	0.2665293
299	0	0	0	0	151879.56	160699.38	-0.053619
300	0	0	0	0	425334.84	358764.13	0.1847582

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302	0	0	0	0	119929.88	79488.197	2.1524993
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304	0	0	0	0	1720738	1732367.6	-0.690190
305	0	0	0	0	92154.017	0	0.6846555
306	0	0	0	0	8252.1707	12205.005	-0.004820
307	0	0	0	0	8134.1848	8715.8440	-0.005210
308	0	0	0	0	39131.172	34933.571	-115.4594
309	0	0	0	0	60719.793	56034.095	-0.196225
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311	0	0	0	0	36.334532	1584.8408	-0.012223
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319	0	0	0	0	2353.2089	21242.114	0.0041992
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322	0	0	0	0	2389.0795	12336.078	7.2398e-5
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326	0	0	0	0	28041.529	18182.343	3.3218e-5
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329	0	0	0	0	66407.268	0	1278.0264
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334	0	0	0	0	16041.999	32971.057	0.0196039
335	0	0	0	0	273769.83	308720.16	4942.8276
336	0	0	0	0	42961.756	2085.7929	0.0185244
337	0	0	0	0	23087.960	31175.43	0.0040071
338	0	0	0	0	33417.901	4327.0877	0.0009300
339	0	0	0	0	2997.9201	66802.640	-0.000568
340	0	0	0	0	0	73731.989	-0.001536
341	0	0	0	0	18869.237	58694.707	-0.003057
342	0	0	0	0	18364.992	173153.71	-0.029648

343	0	0	0	0	3499887.4	3506870.7	-1069.745
344	0	0	0	0	26663.848	2195.2666	-0.004304
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347	0	0	0	0	22248.581	397.49271	0.0206398
348	0	0	0	0	6313.3400	20621.288	3858.8229
349	0	0	0	0	17183.155	22336.482	0.0169713
350	0	0	0	0	22038.916	39814.941	0.0087761
351	0	0	0	0	14059.954	48254.408	0.0005818
352	0	0	0	0	38678.142	25972.642	-0.006243
353	0	0	0	0	17292.684	21463.389	-0.011121
354	0	0	0	0	294881.37	250894.53	-3955.837
355	0	0	0	0	49798.525	8994.9555	-0.018372
356	0	0	0	0	68985.519	15289.551	-0.014402
357	0	0	0	0	72062.003	12069.837	-0.011084
358	0	0	0	0	26111.308	5976.2873	0.0086597
359	0	0	0	0	51826.687	65488.818	1597.7405
360	0	0	0	0	84479.278	110401.36	480.06910
361	0	0	0	0	26095.541	33798.883	-0.001678
362	0	0	0	0	315526.18	350492.67	-890.9557
363	0	0	0	0	40154.306	48142.492	-0.036072
364	0	0	0	0	336056.47	223268.64	-1236.464
365	0	0	0	0	465701.25	443857.75	-1197.101
366	0	0	0	0	406889.07	352796.98	-1918.517
367	0	0	0	0	38130.105	46369.079	-1.008616
368	0	0	0	0	14693.689	35791.738	-0.005000
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370	0	0	0	0	393615.73	409651.53	-1691.925
371	0	0	0	0	8831.8640	10665.138	-0.024872
372	0	0	0	0	36982.354	40562.105	-0.945050
373	0	0	0	0	76529.626	78873.877	-0.893370
374	0	0	0	0	287116.71	324406.93	-1173.036
375	0	0	0	0	21210.321	21642.245	-0.018270
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377	0	0	0	0	14831.251	17783.716	-0.009060
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379	0	0	0	0	25854.663	40164.559	-0.002822
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383	0	0	0	0	9556.0214	18068.144	-0.001314
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386	0	0	0	0	9728.7595	13270.365	-0.006114
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389	0	0	0	0	32746.615	37196.317	-0.012946
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391	0	0	0	0	48909.210	72201.206	-0.012052
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393	0	0	0	0	16081.714	22853.213	-0.000432
394	0	0	0	0	11443.169	20756.780	-0.001584
395	0	0	0	0	23602.118	43171.472	-6.907e-5
396	0	0	0	0	30145.305	0	1.3187843
397	0	0	0	0	254057.44	294607.91	0.2216394
398	0	0	0	0	11458.079	34045.099	2.0946492
399	0	0	0	0	30634.506	47262.487	0.3176223
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407	0	0	0	0	338805.24	284182.06	11.244523
408	0	0	0	0	224897.04	184821.25	0.1024477
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411	0	0	0	0	19659.436	22540.975	-0.001799
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425	0	0	0	0	9466.2922	0	7.8979e-5
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431	0	0	0	0	24154.120	16882.678	4.5305e-5
432	0	0	0	0	19868.793	5990.5172	0.0011548
433	0	0	0	0	6130.8928	12.163676	0.0065367
434	0	0	0	0	145826.00	0	14258.888
435	0	0	0	0	12209.738	0	-0.000121
436	0	0	0	0	8607.5034	0	-0.000694
437	0	0	0	0	14009.179	0	0.0005494
438	0	0	0	0	28532.859	5443.1948	0.0019045
439	0	0	0	0	18792.724	24973.510	0.0121069
440	0	0	0	0	407913.42	443401.20	13645.439
441	0	0	0	0	23076.926	4831.3694	0.0136816
442	0	0	0	0	20436.741	28923.421	0.0024117
443	0	0	0	0	20494.117	14222.010	0.0003581
444	0	0	0	0	2418.191	56637.997	-0.000285
445	0	0	0	0	0	63889.682	-0.001054
446	0	0	0	0	17414.490	66952.200	-0.001514
447	0	0	0	0	24514.198	126457.59	-0.008009
448	0	0	0	0	8255239.9	8217954.7	912.48560
449	0	0	0	0	26683.393	4442.1109	-0.002718
450	0	0	0	0	26244.093	9402.3469	0.0001282
451	0	0	0	0	8336.7854	35816.727	0.0141762
452	0	0	0	0	11934.359	10586.812	0.0154944
453	0	0	0	0	82247.385	120431.49	10207.155
454	0	0	0	0	15401.993	17978.481	0.0108027
455	0	0	0	0	19535.464	32859.960	0.0055870
456	0	0	0	0	16787.640	37225.341	0.0001721
457	0	0	0	0	28642.258	30642.199	-0.001799
458	0	0	0	0	17319.903	19065.678	-0.014106
459	0	0	0	0	734960.06	693272.12	-3573.203
460	0	0	0	0	27302.508	10079.205	-0.007510
461	0	0	0	0	27822.504	15800.110	-0.008853
462	0	0	0	0	40722.975	16163.682	-0.004236
463	0	0	0	0	13419.989	11982.657	0.0082852
464	0	0	0	0	191994.54	231489.13	4786.8959
465	0	0	0	0	192316.02	242209.88	2625.3782
466	0	0	0	0	24634.871	28914.956	0.0036816
467	0	0	0	0	699471.94	724183.14	-214.4294
468	0	0	0	0	33574.482	37073.264	-0.015092

469	0	0	0	0	1081426.9	1071489.4	-851.1455
470	0	0	0	0	902983.62	888691.74	-841.8189
471	0	0	0	0	1546446.0	1510593.2	-1118.144
472	0	0	0	0	8963.1135	15013.695	-0.012860
473	0	0	0	0	13992.573	17072.572	-0.000890
474	0	0	0	0	142022.85	172447.14	727.86932
475	0	0	0	0	612983.49	639919.63	-807.6368
476	0	0	0	0	6182.8761	7065.4719	-0.007117
477	0	0	0	0	5267.4887	7343.6798	-0.005411
478	0	0	0	0	3380.2335	3719.2585	-0.004064
479	0	0	0	0	452381.09	474650.15	-493.8668
480	0	0	0	0	15401.617	16740.437	-0.005492
481	0	0	0	0	24462.462	28221.180	-0.009146
482	0	0	0	0	11501.440	12864.163	-0.007839
483	0	0	0	0	18507.763	30430.801	-0.002100
484	0	0	0	0	28758.156	41333.958	-0.002837
485	0	0	0	0	11564.100	17950.241	-0.004752
486	0	0	0	0	6044.7989	7171.7224	-0.005222
487	0	0	0	0	10031.772	12337.430	-0.002237
488	0	0	0	0	9526.8733	9447.2259	-1.14e-10
489	0	0	0	0	20883.502	24337.080	4.411e-11
490	0	0	0	0	47780.923	21646.894	0.0085796
491	0	0	0	0	8762.9750	10286.769	-0.007052
492	0	0	0	0	20859.851	24396.517	-0.003536
493	0	0	0	0	21114.216	22291.180	-0.004540
494	0	0	0	0	24200.225	26423.883	-0.005592
495	0	0	0	0	25899.382	27397.601	-0.009074
496	0	0	0	0	40216.179	53915.970	-0.008356
497	0	0	0	0	36061.011	43976.595	-0.004735
498	0	0	0	0	12985.614	16132.491	1.809e-10
499	0	0	0	0	14834.208	18587.169	-0.001171
500	0	0	0	0	26238.717	32954.731	0.0003476
501	0	0	0	0	40202.388	0	3.1510802
502	0	0	0	0	376307.33	426098.03	-2.049665
503	0	0	0	0	69665.976	130004.71	3.8250838
504	0	0	0	0	119423.70	165724.09	-0.197208
505	0	0	0	0	89354.560	141696.64	-0.185859
506	0	0	0	0	189994.28	229120.60	0.0301147
507	0	0	0	0	501490.82	524893.65	1.2940231
508	0	0	0	0	238903.34	263194.75	1.5389943
509	0	0	0	0	350574.95	371063.94	1.5090819
510	0	0	0	0	814541.99	804004.62	1.7742900

511	0	0	0	0	641102.02	626807.13	2.2393524	
512	0	0	0	0	1299198.4	1264658.6	10.225061	
513	0	0	0	0	473787.71	438327.03	-0.348506	
514	0	0	0	0	7976667.2	7945117.2	-8.612375	
515	0	0	0	0	345865.25	0	1.3619e-5	
516	0	0	0	0	20712.920	21805.802	-0.000186	
517	0	0	0	0	15096.114	15618.307	0.0004081	
518	0	0	0	0	174872.57	195123.62	132.87435	
519	0	0	0	0	328727.47	349422.41	-0.001131	
520	0	0	0	0	5469.9154	6279.7199	6.264e-11	
521	0	0	0	0	4125.8690	4815.7296	-0.001609	
522	0	0	0	0	5734.6665	6483.1823	1.010e-10	
523	0	0	0	0	33552.525	33552.525	1.418e-10	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643
528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

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TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	427	45086.401162							
-1	19	29666849.032							

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Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area
Gradient	0.04629	0.17669	0.22490	0.28683	0.04007	0.05897	0.05774	0.06890	0.07861	0.04803	0.00015	0.01798	Grad
Angle deg	198.17	193.43	204.22	233.37	206.08	201.07	177.18	179.91	138.2	153.61	153.61	252.8	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2
Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3
Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.03869	0.18900	0.20175	0.00029	0.02418	0.22373	0.22613	0.09143	0.04437	0.14172	0.23196	0.07156	Grad
Angle deg	179.91	210.17	145.62	155.84	211.21	147.99	148.85	159.92	59.26	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45044	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	171.5	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area

Gradient	0.44994	0.15209	0.43814	0.16477	0.43627	0.77221	0.04826	0.05686	0.06660	0.19256	0.17665	0.47620	Grad
Angle deg	155.71	312.29	200.84	158.44	199.89	174.43	154.49	222.19	198.59	231.06	283.08	159.73	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.09896	0.20855	0.12583	0.15867	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad
Angle deg	15.02	155.41	217.8	175.35	174.23	85.47	114.27	123.01	203.71	93.88	90.72	184.86	Angle

ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.28045	0.30617	0.53074	0.72857	0.16791	0.16713	0.26240	0.63811	Grad
Angle deg	158.37	176.09	148.11	164.69	230.04	185.68	171.53	164.83	311.76	307.94	295.35	160.8	Angle

ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.65238	0.64502	0.36376	0.34021	0.24083	0.07146	0.04204	0.19890	0.24844	0.20926	0.20059	0.12090	Grad
Angle deg	168.56	171.33	186.05	182.24	190.95	190.95	221.28	132.77	3.19	183.67	185.68	185.69	Angle

ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.25717	0.24254	0.26506	0.31928	0.29961	0.25886	0.17895	0.44276	0.32129	0.12745	0.33055	0.30916	Grad
Angle deg	151.63	180.15	169.69	165.58	201.47	201.47	128.04	172.75	121.44	119.33	182.36	174.08	Angle

ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.61228	0.64377	0.27506	0.27700	0.27934	0.49530	0.45670	0.37948	0.30147	0.03471	0.37245	0.36282	Grad
Angle deg	162.32	163.9	334.89	292.41	333.56	167.12	155.35	165.48	100.25	120.6	182.02	182.25	Angle

ELEM	109	110	111	112	113	114	115	116	117	118	119	120	ELEM
Node1	47	47	102	59	88	48	48	73	90	49	52	44	Node1
Node2	58	58	101	101	89	60	60	60	60	102	101	45	Node2
Node3	57	59	52	102	48	89	61	90	89	52	57	43	Node3
Matl	6	6	2	2	4	4	4	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	113504	73412	264604	Area
Gradient	0.27354	0.31734	0.25886	0.22217	0.50494	0.49923	0.62556	0.64715	0.52274	0.25547	0.06604	0.20641	Grad
Angle deg	63.82	344.98	322.27	312.74	179.67	178.27	163.72	164.45	179.54	324.12	44.66	180.44	Angle

ELEM	121	122	123	124	125	126	127	128	129	130	131	132	ELEM
Node1	62	71	48	77	37	38	38	63	79	48	60	73	Node1
Node2	72	72	61	76	63	79	77	80	64	80	73	74	Node2
Node3	61	62	72	27	80	80	79	79	77	72	61	61	Node3
Matl	4	4	4	3	2	3	3	2	2	3	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	38076	15950	101436	294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient	0.56157	0.42488	0.56458	0.39565	0.26808	0.37967	0.32776	0.17616	0.26805	0.69941	0.63954	0.63460	Grad
Angle deg	161.07	184.97	162.88	166.41	107.94	176.65	198.96	121.13	226.76	168.5	164.58	161.23	Angle

ELEM	133	134	135	136	137	138	139	140	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77	62	71	3	3	20	Node1
Node2	74	78	75	74	78	74	71	71	78	81	20	82	Node2
Node3	91	62	76	78	76	75	38	78	77	82	82	83	Node3
Matl	3	3	3	3	3	3	3	4	3	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	7555	7555	7315	Area
Gradient	0.67594	0.58283	0.49837	0.57119	0.49959	0.68007	0.34451	0.44758	0.33491	0.03667	0.03667	0.00636	Grad
Angle deg	162.75	170.68	183.02	166.1	183.47	161.63	196.53	168.89	196.72	91.52	91.59	99.24	Angle

ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM

Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00622	0.00021	0.00021	0.00679	0.00685	0.02900	0.02900	0.03378	0.03379	0.02492	0.02674	0.10470	Grad
Angle deg	88.07	354.69	197.81	268.25	262.04	268.12	267.92	268.22	268.11	262.55	239.63	262.58	Angle

ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1
Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2
Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.10506	0.12544	0.12592	0.03161	0.03199	0.07680	0.07646	0.04562	0.04558	0.03461	0.03839	0.05781	Grad
Angle deg	254.15	256.78	261.57	234.28	232.26	255.23	251.36	237.62	239.19	237.84	211.19	215.88	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.05863	0.76957	0.40386	0.39989	0.35918	0.36612	0.11589	0.02553	0.02563	0.11328	0.10294	0.02793	Grad
Angle deg	203.11	173.71	169.8	169.18	180.43	184.42	342.18	267.5	262.76	343.3	323.71	129.28	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.23042	0.18849	0.20448	0.05513	0.40340	0.04696	0.17546	0.22296	0.27510	0.04248	0.05834	0.05744	Grad
Angle deg	309.28	313.95	307.88	117.8	157.8	196.93	193.13	203.96	230.91	202.64	199.35	177.93	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2

Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06793	0.07553	0.05098	0.00141	0.01830	0.03955	0.18292	0.19485	0.00334	0.02577	0.21676	0.22076	Grad
Angle deg	179.61	140.93	154.18	174.81	248.95	180.07	209.8	146.09	174.98	207.33	148.39	149.84	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3
Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.09301	0.03773	0.13205	0.21955	0.06904	0.21276	0.15657	0.18615	0.15218	0.05138	0.08169	0.07646	Grad
Angle deg	161.61	70.64	219.63	177.44	56.32	131.38	200.37	177.31	82.16	343.68	15.18	357.88	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM
Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1
Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10191	0.11175	0.12304	0.12935	0.43478	0.43389	0.08892	0.36093	0.15648	0.36584	0.64702	0.05599	Grad
Angle deg	251.22	252.65	249.64	220.77	171.53	156.09	297.95	197.94	159.36	201.13	174.93	166.51	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.06251	0.07059	0.18488	0.16058	0.40552	0.19199	0.20034	0.09421	0.18686	0.12468	0.14701	0.17172	Grad
Angle deg	211.43	197.59	229.23	276.91	162.51	17.88	156.06	209.59	175.13	174.18	88.8	116.71	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14787	0.02546	0.17748	0.16563	0.35396	0.34804	0.24769	0.20672	0.20023	0.26318	0.29560	0.51006	Grad
Angle deg	124.29	182.72	96.4	94.6	183.33	158.73	175.97	151.48	166.3	162.61	179.76	171.49	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area
Gradient	0.65715	0.12215	0.12684	0.21028	0.54036	0.55785	0.55581	0.33857	0.31168	0.23682	0.06755	0.06302	Grad
Angle deg	165.3	301.36	289.61	287.73	162.56	171.45	172.51	185.55	180.66	186.69	175.84	204.51	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2
Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3
Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.17310	0.20636	0.18787	0.18436	0.11974	0.25153	0.23789	0.25853	0.31040	0.28916	0.26554	0.18423	Grad
Angle deg	141.99	2.1	184.85	185.76	185.82	151.98	180.38	170.37	166.19	197.79	197.46	144.16	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	0.42461	0.30800	0.15596	0.31769	0.29180	0.55701	0.68887	0.21187	0.23618	0.21236	0.40746	0.37930	Grad
Angle deg	173.57	131.16	140.75	181.59	169.73	165	164.17	331.51	283.07	331.33	167.9	158.45	Angle

ELEM	289	290	291	292	293	294	295	296	297	298	299	300	ELEM
Node1	161	161	159	203	191	152	152	207	164	193	153	153	Node1
Node2	174	162	158	202	151	163	163	206	206	194	165	165	Node2
Node3	162	205	205	151	190	162	164	157	207	153	194	166	Node3
Matl	12	12	12	12	12	16	16	12	12	14	14	14	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	Area

Gradient	0.31325	0.22136	0.05096	0.35894	0.34997	0.13871	0.18249	0.17420	0.16050	0.47437	0.44944	0.52791	Grad
Angle deg	170.48	104.71	153.12	182.27	182.33	60.94	340.01	315.56	309.44	179.36	171.49	162.42	Angle
ELEM	301	302	303	304	305	306	307	308	309	310	311	312	ELEM
Node1	178	195	154	157	149	167	176	153	182	142	143	143	Node1
Node2	165	165	207	206	150	177	177	166	181	168	184	182	Node2
Node3	195	194	157	162	148	166	167	177	132	185	185	184	Node3
Matl	12	12	12	12	12	14	14	14	13	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	Area
Gradient	0.68301	0.54862	0.18491	0.02810	0.18929	0.51102	0.40772	0.50778	0.36561	0.25562	0.33028	0.26629	Grad
Angle deg	163.25	178	310.19	68.48	180.85	164.01	184.37	162.07	165.54	122	171.89	205.85	Angle
ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.19228	0.25213	0.60270	0.56707	0.56575	0.62812	0.53929	0.48752	0.53365	0.48964	0.63576	0.32838	Grad
Angle deg	137.88	212.31	166.83	165.26	164.46	166.56	171	178.79	168.86	179.85	163.84	194.74	Angle
ELEM	325	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1	167	176	108	108	125	125	138	138	149	149	150	150	Node1
Node2	176	183	186	125	187	138	188	149	189	150	190	159	Node2
Node3	183	182	187	187	188	188	189	189	190	190	191	191	Node3
Matl	14	13	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient	0.42770	0.32697	0.03475	0.03478	0.00640	0.00628	0.00034	0.00035	0.00759	0.00762	0.02845	0.02845	Grad
Angle deg	169.54	194.76	93.7	91.57	98.59	88.39	300.91	248.14	269	264.47	268.52	267.99	Angle
ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.03328	0.03329	0.03001	0.03083	0.09589	0.09621	0.11731	0.11755	0.03679	0.03678	0.07459	0.07431	Grad
Angle deg	268.28	267.97	262.9	247.53	262.94	254.02	256.95	260.18	236.99	237.07	254.45	250.18	Angle

ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.04688	0.04684	0.03532	0.03786	0.05706	0.05676	0.66585	0.35516	0.37800	0.34764	0.35323	0.07517	Grad
Angle deg	237.49	238.55	236.95	215.76	218.88	212.93	172.54	167.71	171.56	180.88	184.53	332.85	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM
Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area
Gradient	0.02744	0.02758	0.07257	0.07031	0.02653	0.14809	0.15528	0.17259	0.26318	0.26318	0.04877	0.17171	Grad
Angle deg	267.54	262.27	334.08	310.76	72.31	317.93	309.56	302.89	162.61	162.61	193.76	192.32	Angle

ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.21891	0.25526	0.04901	0.05681	0.05652	0.06532	0.06877	0.05723	0.00486	0.01942	0.04161	0.17039	Grad
Angle deg	203.53	226.13	195.47	194.81	180.05	178.78	148.18	155.58	177.5	239.23	180.45	208.89	Angle

ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.18030	0.01090	0.03026	0.20085	0.20798	0.09518	0.03014	0.11642	0.19887	0.06528	0.19267	0.13375	Grad
Angle deg	147.38	176.31	199.72	149.5	152.11	165.19	99.49	214.42	175.42	62.79	130.48	193.3	Angle

ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM

Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16097	0.13911	0.04256	0.07031	0.06461	0.09624	0.10771	0.11976	0.13640	0.40691	0.40537	0.05248	Grad
Angle deg	173.78	83.51	346.34	17.49	353.21	250.23	252.08	248.85	213.67	171.52	156.92	220.64	Angle

ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1
Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2
Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.24689	0.13725	0.25756	0.43962	0.07746	0.07987	0.07992	0.16956	0.13459	0.29568	0.12417	0.18608	Grad
Angle deg	191.98	161.98	203.53	176.92	182.51	195.56	195.52	224.51	265.64	168.42	26.05	157.3	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.09137	0.15400	0.12345	0.12899	0.15665	0.14273	0.03794	0.16152	0.16135	0.32809	0.32534	0.23744	Grad
Angle deg	195.85	174.71	174.13	95.92	121.36	126.71	164.16	101.35	101.33	180.62	159.6	175.79	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.20358	0.20164	0.29147	0.27992	0.47162	0.55796	0.07306	0.10381	0.14835	0.37853	0.39936	0.40201	Grad
Angle deg	157.48	168.73	163.19	172.82	171.19	166.02	265.43	248.25	267.89	167.85	177.66	174.6	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2

Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.28027	0.25687	0.21930	0.07626	0.09508	0.14485	0.13753	0.15566	0.15930	0.11845	0.24206	0.23042	Grad
Angle deg	184.41	179	181.91	164.09	194.44	159.82	359.08	187.24	186.06	186.19	152.79	180.9	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3
Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.24884	0.29529	0.27423	0.27720	0.21395	0.39744	0.29817	0.21548	0.28804	0.26358	0.48239	0.70242	Grad
Angle deg	171.33	167.22	191.62	191.73	161.93	175.02	145.87	158.79	179.62	164.74	168.81	165.04	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM
Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1
Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.11822	0.18204	0.11423	0.29567	0.27840	0.23577	0.13610	0.08424	0.34069	0.33119	0.01992	0.06097	Grad
Angle deg	317.75	264.57	319.44	170.85	164.33	177.5	120.06	171.34	182.26	182.42	83.17	310.73	Angle

ELEM	481	482	483	484	485	486	487	488	489	490	491	492	ELEM
Node1	312	269	298	258	258	283	300	259	262	254	272	281	Node1
Node2	311	311	299	270	270	270	270	312	311	255	282	282	Node2
Node3	262	312	258	299	271	300	299	262	267	253	271	272	Node3
Matl	22	22	24	24	24	22	22	22	22	22	24	24	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	58460	56985	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	Area
Gradient	0.08208	0.07878	0.42364	0.38985	0.40447	0.68379	0.55050	0.11279	0.01887	0.16277	0.43235	0.36990	Grad
Angle deg	296.1	288.57	178.33	162.03	160.33	162.13	175.94	283.71	187.67	181.88	167.99	182.86	Angle

ELEM	493	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1	258	287	247	248	248	273	289	258	270	283	283	284	Node1
Node2	271	286	273	289	287	290	274	290	283	284	284	288	Node2
Node3	282	237	290	290	289	289	287	282	271	271	301	272	Node3
Matl	24	23	22	23	23	22	22	23	23	23	23	23	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	101436	294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient	0.42093	0.32462	0.26328	0.29491	0.22339	0.23590	0.26012	0.47583	0.46725	0.47346	0.55699	0.47622	Grad
Angle deg	160.77	164.2	142.85	167.3	204.19	155.62	192.49	164.46	166.16	169.58	171.91	171.58	Angle
ELEM	505	506	507	508	509	510	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287	272	281	213	213	230	230	243	Node1
Node2	285	284	288	284	281	281	288	291	230	292	243	293	Node2
Node3	286	288	286	285	248	288	287	292	292	293	293	294	Node3
Matl	23	23	23	23	23	24	23	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	143185	67450	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	Area
Gradient	0.46252	0.47780	0.46466	0.56628	0.29350	0.38555	0.30611	0.02998	0.03001	0.00640	0.00630	0.00109	Grad
Angle deg	173.94	172.17	175.68	166.63	191.07	170.4	191.01	93.71	91.54	97.24	88.11	280.96	Angle
ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2
Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.00111	0.00944	0.00946	0.02743	0.02744	0.03322	0.03324	0.03810	0.03842	0.07801	0.07840	0.09835	Grad
Angle deg	264.29	269.32	265.55	268.46	267.97	268.32	267.71	262.97	253.27	261.85	253.66	257.04	Angle
ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.09840	0.04728	0.04744	0.07011	0.07000	0.04959	0.04960	0.03704	0.03941	0.05436	0.05406	0.53711	Grad
Angle deg	258.46	245.41	243.98	252.73	248.87	239.41	238.6	236.95	216.89	219.13	212.97	171.78	Angle
ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area

Gradient	0.31193	0.35608	0.33690	0.33460	0.03403	0.03188	0.03208	0.03304	0.04613	0.00922	0.06012	0.09401	Grad
Angle deg	167.24	174.99	181.79	184.83	281.62	267.61	261.64	280.98	262.9	172.88	303.21	291.46	Angle
ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.11316	0.29147	0.29147	0.05154	0.16607	0.21242	0.22980	0.05927	0.05464	0.05466	0.06127	0.06159	Grad
Angle deg	285.36	163.19	163.19	189.31	190.99	202.78	217.9	188.12	187.91	183.88	176.95	158.87	Angle
ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.06315	0.01010	0.02172	0.04412	0.15320	0.16048	0.02076	0.03704	0.17840	0.19027	0.09785	0.03564	Grad
Angle deg	157.6	179.37	226.74	180.93	207.48	149.44	176.69	193	151.45	155.81	170.19	144.19	Angle
ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09717	0.17107	0.06127	0.16420	0.10677	0.12791	0.12065	0.02956	0.05368	0.04820	0.08796	0.10164	Grad
Angle deg	205.07	171.98	72.86	128.91	179.49	166.66	86.28	352.42	22.64	342.69	248.28	250.9	Angle
ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11442	0.14928	0.36570	0.36347	0.10648	0.14620	0.11469	0.15417	0.22999	0.10035	0.09949	0.09069	Grad
Angle deg	247.49	204.85	171.52	158.25	179.5	180.95	166.46	205.07	182.27	190.86	187.22	193.36	Angle

ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.15076	0.11025	0.18515	0.05719	0.16648	0.09487	0.11931	0.12244	0.10913	0.13799	0.13463	0.05763	Grad
Angle deg	217.29	248.02	180.8	57.06	159.1	181.32	174.19	174.27	109.18	129.05	130.8	154.25	Angle

ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM
Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area
Gradient	0.14262	0.15760	0.29591	0.29547	0.22652	0.20541	0.20636	0.31887	0.25539	0.41436	0.45496	0.08488	Grad
Angle deg	109.85	110.83	176.78	161.49	175.62	165.75	171.39	164.07	168.27	170.48	167.1	209.43	Angle

ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.12312	0.11725	0.21904	0.23812	0.23747	0.20942	0.19152	0.19425	0.09472	0.12459	0.13239	0.06026	Grad
Angle deg	211.43	231.06	180.09	188.71	179.66	183.44	177.66	177.45	162.34	190.16	182.52	347.78	Angle

ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.12209	0.13192	0.11745	0.22798	0.21957	0.23573	0.27403	0.25778	0.29111	0.25833	0.35406	0.29867	Grad
Angle deg	191.05	186.78	186.92	154.4	181.67	172.43	168.6	183.68	185.78	173.24	176.32	161.76	Angle

ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM

Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.28284	0.25964	0.24014	0.40068	0.63758	0.05986	0.14162	0.08164	0.26404	0.2288	0.22069	0.14694	Grad
Angle deg	169.7	177.44	162.44	172.24	166.58	249.22	234.48	257.28	180.18	168.28	171.03	125.54	Angle

ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1
Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2
Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.11568	0.32267	0.30893	0.04154	0.04497	0.04226	0.04870	0.35866	0.33023	0.29796	0.60837	0.49642	Grad
Angle deg	176.08	181.57	182.67	228.44	238.63	279.65	244.93	176.99	154.86	158.91	161.62	174.05	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.06913	0.02248	0.13387	0.34433	0.31490	0.32803	0.28273	0.29674	0.27473	0.20921	0.29063	0.29354	Grad
Angle deg	269.92	245.81	183.68	171.64	180.42	160.07	162.92	161.73	165.81	194.05	168.24	177.52	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.35995	0.36436	0.37866	0.46956	0.40106	0.41224	0.40740	0.41343	0.47707	0.26081	0.32587	0.27131	Grad
Angle deg	163	167.1	174.96	176.89	172.01	171.15	174.61	172.78	168.95	185.99	170.95	186.14	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2

Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.02260	0.02262	0.00603	0.00597	0.00256	0.00258	0.01197	0.01198	0.02695	0.02695	0.03639	0.03643	Grad
Angle deg	93.73	91.48	95.56	87.6	275.59	268.65	269.7	266.39	268.39	267.84	268.4	267.32	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.04196	0.04207	0.05768	0.05800	0.07253	0.07255	0.05978	0.05989	0.06558	0.06562	0.05286	0.05288	Grad
Angle deg	262.68	256.53	260.22	253.68	257.01	255.25	252	248.66	250.59	247.24	241.3	238.63	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM
Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1
Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.03946	0.04160	0.04989	0.04958	0.42957	0.30107	0.34212	0.33111	0.31327	0.04649	0.03640	0.03662	Grad
Angle deg	236.99	218.42	219.52	212.96	173.59	171.7	178.24	182.67	185.8	230.68	267.31	261.6	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.04601	0.04205	0.03617	0.03920	0.05785	0.07264	0.31887	0.31887	0.05701	0.15456	0.19696	0.19630	Grad
Angle deg	228.85	228.92	226.97	243.16	258.55	258.53	164.07	164.07	180.89	187.76	200.54	198.65	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.07686	0.05467	0.05345	0.05263	0.05269	0.06435	0.01901	0.02610	0.04579	0.12383	0.12741	0.03322	Grad
Angle deg	178.99	174.14	186.18	177.16	177.57	162.33	184.49	210.51	181.53	204.83	153.48	177.29	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area
Gradient	0.04770	0.13937	0.15791	0.10222	0.06477	0.07678	0.12969	0.05715	0.11529	0.08153	0.08458	0.08963	Grad
Angle deg	188.56	156.54	163.3	176.49	172.36	183.33	164.68	91.42	125.16	146.27	145.33	96.37	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2
Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3
Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00758	0.02438	0.02702	0.07259	0.08940	0.10118	0.17602	0.28822	0.28579	0.11666	0.07898	0.08207	Grad
Angle deg	54.76	51.83	293.19	241.42	246.51	243.57	192.62	171.19	160.98	177.86	174.5	176.68	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.08040	0.08687	0.10349	0.10213	0.09767	0.12353	0.08664	0.10309	0.05318	0.13331	0.10283	0.10220	Grad
Angle deg	201.6	196.16	192.77	187.98	190.85	205.45	223.69	200.71	139.18	162.51	174.41	174.58	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area

Gradient	0.12084	0.09472	0.11439	0.11763	0.08680	0.12200	0.15167	0.25188	0.25162	0.21740	0.21847	0.21727	Grad
Angle deg	174.96	136.73	144.24	140.99	151.37	127.6	126.11	171.97	167.05	175.69	176.09	174.15	Angle
ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.32404	0.20918	0.31516	0.32834	0.10968	0.11986	0.11037	0.10187	0.10539	0.10082	0.10873	0.11006	Grad
Angle deg	166.32	169.08	169.78	169.6	192.91	194.95	194.4	199.69	201.62	190.54	187.49	188.11	Angle
ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.13312	0.11995	0.13572	0.13019	0.02424	0.10541	0.11377	0.11616	0.19785	0.19548	0.20825	0.23647	Grad
Angle deg	183.45	182.62	188.47	195.45	228.62	192.8	188.35	188.29	158.86	182.82	174.02	170.51	Angle
ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.23063	0.28467	0.28398	0.27392	0.29255	0.32130	0.22986	0.21450	0.29333	0.47015	0.10635	0.11387	Grad
Angle deg	175.47	180.66	180.42	178.58	176.72	177.34	178.36	167.08	175.17	168.39	194.82	196.93	Angle
ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.10579	0.11126	0.12278	0.12783	0.12046	0.13452	0.28049	0.26731	0.10457	0.08844	0.12908	0.11037	Grad
Angle deg	191.57	190	194.35	186.43	184.68	187.17	181.21	183.13	175.74	198.77	195.27	197.03	Angle

ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.27240	0.24841	0.21002	0.44592	0.37281	0.12877	0.13268	0.11496	0.25614	0.24564	0.24150	0.23134	Grad
Angle deg	178.31	155.9	163.17	163.16	174.52	195.04	191.75	185.83	175.07	179.39	164.25	163.63	Angle

ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM
Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area
Gradient	0.31730	0.24693	0.20632	0.31766	0.31238	0.26304	0.25743	0.27202	0.34062	0.29479	0.30937	0.30047	Grad
Angle deg	175.98	169.89	188.08	178.18	171.77	166.53	170.36	179.28	180.41	173.67	172.21	176.53	Angle

ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.30963	0.34408	0.23050	0.25095	0.21967	0.01257	0.01258	0.00445	0.00442	0.00531	0.00533	0.01457	Grad
Angle deg	172.64	171.26	184.57	173.16	184.31	93.73	91.36	93.85	86.03	273.3	270.85	270.31	Angle

ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.01458	0.02543	0.02543	0.03300	0.03303	0.04319	0.04322	0.04995	0.05013	0.05748	0.05758	0.05887	Grad
Angle deg	267.15	268.36	267.99	268.45	267.41	262.88	257.93	259.58	254.8	256.78	253.14	253.52	Angle

ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM

Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.05892	0.06144	0.06156	0.05503	0.05501	0.04143	0.04325	0.04303	0.04271	0.34384	0.29565	0.30231	Grad
Angle deg	249.36	250.24	245.82	242.73	238.71	237.15	220.16	220.14	212.96	179.95	180.27	181.2	Angle

ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1
Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2
Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.29738	0.27101	0.10940	0.03782	0.03804	0.10943	0.11576	0.12697	0.11759	0.11242	0.11413	0.32404	Grad
Angle deg	183.66	186.12	196.69	267.73	261.91	196.63	198.53	191.33	201.8	194.19	195.92	166.32	Angle

ELEM	925	ELEM
Node1	484	Node1
Node2	447	Node2
Node3	523	Node3
Matl	42	Matl
Soil	2	Soil
Area ft^2	377244	Area
Gradient	0.32404	Grad
Angle deg	166.32	Angle

Model Parameters and Output

During Mining Condition

Domain and analysis parameters

Number of nodes..... 538
Number of elements..... 925
Number of materials..... 48
Number of soils..... 2
Number of connections.... 408
Number of injections..... 0
Number of particles..... 0

Length unit..... feet
Time unit..... year

Analysis time..... 10 year

Tolerance..... 0.001 feet
Relaxation..... 1
Max head change/cycle.... 100 feet
Timestep size..... 10 year
Substeps/timestep..... 10
Max cycles/timestep..... 10000000
Analysis type..... Transient
Aquifer type..... Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode..... OFF

Number of traces..... 0
Timestep size..... 1 year
Substeps/timestep..... 20

TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Material data

Mat'l #	--Hydraulic Conductivity-- (major)	(minor)	(z)	Major Angle	Specific Storage	Storage Coeff	Effect. Porosity	--Dispersivity--- Long	T'verse	Retard'n	Label

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/N
7	10000	10000	10000	0	1.000e-1	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	West Lime
9	400	400	400	0	1.000e-1	0	0	0	0	0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
17	1000	1000	1000	0	1.000e-7	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
27	1000	1000	1000	0	1.000e-7	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
37	1000	1000	1000	0	1.000e-7	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
39	15	15	1	0	1.000e-7	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/N
47	1000	1000	1000	0	1.000e-7	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	West Lime

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2393.6740	2393.6737	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2779.9902	2779.9903	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	
9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059	
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5	
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417	
12	-1	5652	20000	2510	2560	2488.6523	2488.6522	Swamp	2147930.5	
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6	
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191	
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7	
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7	
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819	
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2	
19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5	
20	19	6992	32189	2910	2960	2835.4830	2835.3745	Swamp	866017.75	
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2	
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7	
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7	
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933	
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192	

26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2513.8704	2511.5298	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2386.8154	2386.8101	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2844.6026	2839.7756	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3290.0679	3160.9807	Swamp	46877.496
39	28	5689	24547	2510	2560	2559.9623	2559.9630	Swamp	325796.53
40	29	5107	25236	2490	2540	2429.0652	2429.0352	Swamp	2299764
41	29	5203	26521	2470	2520	2406.5421	2406.4660	Swamp	1188807.5
42	29	5202	28261	2470	2520	2472.9547	2472.6912	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2844.5689	2831.9088	Swamp	192655.17
45	43	6973	29319	2790	2840	2839.9905	2823.8371	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	59	6918	27954	2750	2800	2799.9677	2594.9515	Swamp	59082.835
48	-2	7268	27047	2950	3000	3000	2650	Head	110959.16
49	91	6626	26660	2630	2680	2679.8154	2509.8110	Swamp	239884.65
50	92	6413	26034	2610	2660	2659.8042	2559.2917	Swamp	244550.18
51	93	6129	25301	2550	2600	2599.7557	2578.1079	Swamp	227482.17
52	69	6178	27422	2913	2963	2886.6412	2782.7914	Swamp	297364.31
53	42	6142	28824	2750	2800	2800	2800	Swamp	656989
54	87	6945	28630	2770	2820	2819.9895	2725.2356	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.7132	2425.0943	Swamp	42484
56	69	6268	28173	2750	2800	2800	2800	Swamp	135271
57	56	6365	28022	2800	2850	2850	2812.2600	Swamp	145908.67
58	59	6687	27823	2810	2860	2860	2683.1304	Swamp	54975.668
59	55	6845	27559	2740	2790	2789.8647	2457.7308	Swamp	58884.996
60	-2	6982	26866	2810	2860	2860	2733.1064	Swamp	72035.671
61	-2	7160	26335	3010	3060	3060	2889.3664	Swamp	67875
62	-2	7140	26057	3050	3100	3100	2869.8372	Swamp	22115
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2848.4712	2791.8685	Swamp	448827
66	41	5752	26270	2770	2820	2790.0497	2754.5329	Swamp	131233.32
67	41	5602	26030	2700	2750	2750	2733.4741	Swamp	379078

68	40	5626	25290	2600	2650	2650	2650	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2500	2500	Swamp	7203686
71	-2	7449	26097	3270	3320	3232.2697	2970	Head	29129.168
72	-2	7424	26197	3230	3280	3225.3758	2930	Head	49151.332
73	90	6800	26500	2760	2810	2810	2756.2968	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2803.1001	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2782.2626	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	3069.8807	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3220	Swamp	301410.65
78	-2	7130	25890	3060	3110	3110	2760	Head	100038.33
79	77	7760	26170	3290	3340	3340	3247.8499	Swamp	180520
80	48	7550	26640	3200	3250	3250	3072.3597	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2835.4932	2835.3854	Swamp	975487.18
83	84	6927	30726	2984	3034	2844.6005	2839.7706	Swamp	496899.68
84	85	7000	29991	2910	2960	2844.5709	2831.9056	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2823.8851	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2725.2913	Swamp	88252.828
87	59	6928	27954	2750	2800	2800	2595.3692	Swamp	97702.328
88	55	6855	27559	2740	2790	2790	2458.1933	Swamp	35203.496
89	90	6794	27278	2710	2760	2760	2424.9444	Swamp	32180.002
90	91	6636	26660	2630	2680	2680	2509.5257	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2559.1340	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2578.1261	Swamp	572830.68
93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2514	2511.6291	Swamp	809781.12
95	-1	2500	21846	2295	2345	2344.7698	2344.7457	Swamp	1437697.7
96	87	7283	27480	2925	2975	2975	2876.3158	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2808.8501	2661.3494	Swamp	70775.828
99	47	6940	28300	2780	2830	2808.8389	2661.2726	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2825.0802	Swamp	171009.82
101	59	6500	27670	2810	2860	2860	2782.6679	Swamp	89622.492
102	55	6530	27330	2750	2800	2800	2704.2916	Swamp	116272
103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.9148	2345.9048	Cont	1272267
107	0	14902	33700	2330	2430	2400.9207	2400.9021	Cont	1793873.7
108	0	16898	33700	2630	2730	2781.9315	2781.9310	Cont	897395.5
109	0	19487	33700	2900	3000	3044.2094	3044.1911	Cont	2478921.2

110	0	21800	33700	2800	2900	2955.6710	2955.6616	Cont	2084481.7
111	0	21800	30591	3320	3420	3452.0122	3451.9607	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.5048	3476.3698	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.5575	3442.4136	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.5200	3435.4865	Cont	3572059
115	0	21800	20000	2970	3070	3122.4212	3122.4146	Cont	3062616.5
116	0	18511	20000	2830	2930	2981.6613	2981.6430	Cont	4570417
117	0	15652	20000	2410	2510	2493.1259	2493.1142	Cont	2147930.5
118	0	12500	20000	2200	2300	2351.5006	2351.5003	Cont	1958860.6
119	0	12500	21856	2195	2295	2347.9957	2347.9729	Cont	851191
120	0	12500	23928	2194.8	2294.8	2347.0605	2346.9888	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2346.6851	2346.5020	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.8738	2346.8041	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.9752	2349.9401	Cont	3153883.2
124	0	15605	32073	2570	2670	2715.5385	2715.4451	Cont	2479278.5
125	0	16992	32189	2810	2910	2834.5601	2834.4221	Cont	866017.75
126	0	18372	32305	2650	2750	2813.3091	2813.2485	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.3128	3198.2289	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.1801	3207.0251	Cont	2979780.7
129	0	19441	27370	3450	3550	3586.9528	3586.1857	Cont	3920933
130	0	19462	25661	3485	3585	3621.8642	3621.1130	Cont	4517192
131	0	18985	23075	3211	3311	3356.6821	3356.5428	Cont	7849879
132	0	17287	24068	3149	3249	3274.2181	3272.8131	Cont	3571829.7
133	0	14953	23445	2364	2464	2513.9150	2511.5586	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2348.5190	2348.1075	Cont	3344869.5
135	0	13594	28985	2325	2425	2390.0660	2389.7906	Cont	3168726
136	0	15507	30465	2690	2790	2828.2684	2827.8540	Cont	3240518.2
137	0	16132	30751	2531	2631	2697.2066	2696.6189	Cont	921241.87
138	0	16917	30726	2884	2984	2843.7611	2838.6139	Cont	435496.37
139	0	18267	30992	2859	2959	3006.6153	3006.2913	Cont	1786093.3
140	0	18301	29819	3010	3110	3152.7501	3151.7450	Cont	1887000.3
141	0	18693	28740	3217	3317	3350.8274	3349.3844	Cont	1664478.8
142	0	17787	27697	2850	2950	3009.2090	2998.7765	Cont	1143354.3
143	0	17624	26097	3250	3350	3255.7212	3128.3458	Cont	46877.496
144	0	15689	24547	2410	2510	2560.9188	2559.7276	Cont	325796.53
145	0	15107	25236	2390	2490	2437.6876	2436.7386	Cont	2299764
146	0	15203	26521	2370	2470	2426.1411	2422.3786	Cont	1188807.5
147	0	15202	28261	2370	2470	2482.8223	2480.3534	Cont	2427143.5
148	0	16195	29695	2530	2630	2692.2183	2690.1336	Cont	979702.12
149	0	16990	29991	2810	2910	2843.5286	2829.9493	Cont	192655.17
150	0	16973	29319	2690	2790	2838.4180	2817.8443	Cont	300995.53
151	0	17455	28541	2850	2950	2992.3792	2982.8511	Cont	815578.87

152	0	16918	27954	2650	2750	2798.2694	2590.1218	Cont	59082.835
153	-3	17268	27047	2850	2950	2984.8603	2650	Head	110959.16
154	0	16626	26660	2530	2630	2683.7963	2510.7371	Cont	239884.65
155	0	16413	26034	2510	2610	2660.2108	2559.2735	Cont	244550.18
156	0	16129	25301	2450	2550	2601.8066	2577.4587	Cont	227482.17
157	0	16178	27422	2813	2913	2844.8949	2732.6368	Cont	297364.31
158	0	16142	28824	2650	2750	2777.8246	2772.0111	Cont	656989
159	0	16945	28630	2670	2770	2818.7949	2721.7750	Cont	180601.48
160	0	16784	27278	2610	2710	2758.5453	2410.3821	Cont	42484
161	0	16268	28173	2650	2750	2789.4977	2762.7749	Cont	135271
162	0	16365	28022	2700	2800	2827.2824	2763.4892	Cont	145908.67
163	0	16687	27823	2710	2810	2829.7170	2644.7650	Cont	54975.668
164	0	16845	27559	2640	2740	2786.1523	2439.7090	Cont	58884.996
165	-3	16982	26866	2710	2810	2869.7675	2650.9712	Cont	72035.671
166	-3	17160	26335	2910	3010	3043.9768	2821.4025	Cont	67875
167	-3	17140	26057	2950	3050	3073.2825	2813.6986	Cont	22115
168	0	18324	26577	3180	3280	3324.7486	3316.8452	Cont	976391
169	0	18324	25947	3250	3350	3386.9137	3379.7824	Cont	781773.62
170	0	15902	26560	2750	2850	2808.5204	2748.3938	Cont	448827
171	0	15752	26270	2670	2770	2749.8130	2711.6370	Cont	131233.32
172	0	15602	26030	2600	2700	2711.3503	2691.9552	Cont	379078
173	0	15626	25290	2500	2600	2621.9082	2618.2465	Cont	253546.84
174	0	15802	27740	2520	2620	2667.9415	2653.1729	Cont	644496
175	0	15206	22144	2350	2450	2502.4159	2502.3651	Cont	7203686
176	-3	17449	26097	3170	3270	3200.1469	3000.9152	Cont	29129.168
177	-3	17424	26197	3130	3230	3193.0924	2970.0545	Cont	49151.332
178	0	16800	26500	2660	2760	2822.7440	2717.7635	Cont	124351.33
179	0	16840	26030	2780	2880	2915.7585	2771.8453	Cont	127458.33
180	0	16560	25700	2670	2770	2803.1676	2752.1004	Cont	157229.51
181	0	17130	25560	2950	3050	3082.4309	3036.8421	Cont	450920.81
182	0	17500	25800	3070	3170	3191.5160	3159.7655	Cont	301410.65
183	-3	17130	25890	2960	3060	3082.0344	2760	Head	100038.33
184	0	17760	26170	3190	3290	3296.7890	3192.5515	Cont	180520
185	0	17550	26640	3100	3200	3206.2261	3018.6469	Cont	358294.5
186	0	16908	33700	2630	2730	2781.9539	2781.9534	Cont	948964.81
187	0	17002	32189	2810	2910	2834.5696	2834.4324	Cont	975487.18
188	0	16927	30726	2884	2984	2843.7593	2838.6091	Cont	496899.68
189	0	17000	29991	2810	2910	2843.5300	2829.9455	Cont	570526.5
190	0	16983	29319	2690	2790	2838.4254	2817.8754	Cont	417653.65
191	0	16955	28630	2670	2770	2818.8049	2721.8231	Cont	88252.828
192	0	16928	27954	2650	2750	2798.3065	2590.5473	Cont	97702.328
193	-3	16855	27559	2640	2740	2786.2702	2440	Head	35203.496

194	-3	16794	27278	2610	2710	2758.8100	2410	Head	32180.002
195	0	16636	26660	2530	2630	2683.9967	2510.4260	Cont	70964.671
196	0	16423	26034	2510	2610	2660.4108	2559.1210	Cont	114405.16
197	0	16139	25301	2450	2550	2602.0585	2577.4772	Cont	572830.68
198	0	15699	24542	2410	2510	2560.9634	2559.7655	Cont	1117802.6
199	0	14963	23435	2364	2464	2514.0009	2511.6418	Cont	809781.12
200	0	12500	21846	2195	2295	2347.6871	2347.6685	Cont	1437697.7
201	0	17283	27480	2825	2925	2957.3330	2820.5119	Cont	204297.34
202	0	17150	28050	2730	2830	2875.9917	2833.9821	Cont	187505.17
203	0	16950	28300	2680	2780	2807.8207	2659.6334	Cont	70775.828
204	0	16940	28300	2680	2780	2807.8090	2659.5539	Cont	28068.334
205	0	16700	28150	2680	2780	2818.7179	2765.9253	Cont	171009.82
206	0	16500	27670	2710	2810	2835.0929	2717.8789	Cont	89622.492
207	0	16530	27330	2650	2750	2789.8912	2643.3878	Cont	116272
208	0	17758	25649	3084	3184	3268.1900	3248.4194	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2351.4859	2351.4462	Cont	1272267
212	0	24902	33700	2130	2330	2419.9221	2419.8492	Cont	1793873.7
213	0	26898	33700	2430	2630	2786.8470	2786.8465	Cont	897395.5
214	0	29487	33700	2700	2900	3034.5358	3034.4809	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.4966	2965.4684	Cont	2084481.7
216	0	31800	30591	3120	3320	3421.1129	3420.9594	Cont	1796855.2
217	0	31800	27778	3130	3330	3470.1568	3469.7549	Cont	2428391.7
218	0	31800	25426	3090	3290	3446.5273	3446.0987	Cont	2560505.5
219	0	31800	22935	3090	3290	3427.5110	3427.4113	Cont	3572059
220	0	31800	20000	2770	2970	3126.7054	3126.6856	Cont	3062616.5
221	0	28511	20000	2630	2830	2984.6153	2984.5606	Cont	4570417
222	0	25652	20000	2210	2410	2505.0064	2504.9605	Cont	2147930.5
223	0	22500	20000	2000	2200	2355.6959	2355.6949	Cont	1958860.6
224	0	22500	21856	1995	2195	2356.0892	2356.0678	Cont	851191
225	0	22500	23928	1994.8	2194.8	2353.2262	2352.9479	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2352.6027	2351.8748	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2353.7846	2353.5077	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2364.3084	2364.1693	Cont	3153883.2
229	0	25605	32073	2370	2570	2707.4368	2707.1390	Cont	2479278.5
230	0	26992	32189	2610	2810	2832.2552	2832.0305	Cont	866017.75
231	0	28372	32305	2450	2650	2835.6303	2835.4506	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.2651	3195.0156	Cont	4098020.7
233	0	30444	29751	2850	3050	3218.7538	3218.2927	Cont	2979780.7
234	0	29441	27370	3250	3450	3563.6269	3561.3571	Cont	3920933
235	0	29462	25661	3285	3485	3598.3415	3596.1210	Cont	4517192

236	0	28985	23075	3011	3211	3348.5856	3348.1715	Cont	7849879
237	0	27287	24068	2949	3149	3230.9606	3226.9480	Cont	3571829.7
238	0	24953	23445	2164	2364	2514.0948	2511.7088	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2358.8528	2357.2241	Cont	3344869.5
240	0	23594	28985	2125	2325	2398.8329	2397.7573	Cont	3168726
241	0	25507	30465	2490	2690	2806.0772	2804.7181	Cont	3240518.2
242	0	26132	30751	2331	2531	2720.7594	2719.0842	Cont	921241.87
243	0	26917	30726	2684	2884	2841.4950	2835.4084	Cont	435496.37
244	0	28267	30992	2659	2859	3002.6996	3001.7635	Cont	1786093.3
245	0	28301	29819	2810	3010	3139.8203	3136.9147	Cont	1887000.3
246	0	28693	28740	3017	3217	3323.1622	3318.9040	Cont	1664478.8
247	0	27787	27697	2650	2850	3022.1674	2993.6721	Cont	1143354.3
248	0	27624	26097	3050	3250	3196.9387	3067.0658	Cont	46877.496
249	0	25689	24547	2210	2410	2563.3746	2559.0625	Cont	325796.53
250	0	25107	25236	2190	2390	2458.1559	2454.5998	Cont	2299764
251	0	25203	26521	2170	2370	2469.9484	2456.5909	Cont	1188807.5
252	0	25202	28261	2170	2370	2507.1697	2498.2950	Cont	2427143.5
253	0	26195	29695	2330	2530	2709.7683	2703.7477	Cont	979702.12
254	0	26990	29991	2610	2810	2840.6897	2824.3234	Cont	192655.17
255	0	26973	29319	2490	2690	2834.3336	2803.1772	Cont	300995.53
256	0	27455	28541	2650	2850	2979.6243	2953.7532	Cont	815578.87
257	0	26918	27954	2450	2650	2793.3573	2582.8025	Cont	59082.835
258	-4	27268	27047	2650	2850	2959.3073	2650	Head	110959.16
259	0	26626	26660	2330	2530	2692.8295	2514.7373	Cont	239884.65
260	0	26413	26034	2310	2510	2661.7084	2559.5141	Cont	244550.18
261	0	26129	25301	2250	2450	2606.6741	2575.7645	Cont	227482.17
262	0	26178	27422	2613	2813	2788.3105	2646.6637	Cont	297364.31
263	0	26142	28824	2450	2650	2746.0728	2729.6897	Cont	656989
264	0	26945	28630	2470	2670	2815.4118	2712.9669	Cont	180601.48
265	0	26784	27278	2410	2610	2755.5259	2410.3246	Cont	42484
266	0	26268	28173	2450	2650	2768.9208	2698.3482	Cont	135271
267	0	26365	28022	2500	2700	2793.3213	2676.3981	Cont	145908.67
268	0	26687	27823	2510	2710	2796.4962	2595.0369	Cont	54975.668
269	0	26845	27559	2440	2640	2778.0126	2439.6321	Cont	58884.996
270	-4	26982	26866	2510	2710	2875.0104	2510	Head	72035.671
271	-4	27160	26335	2710	2910	3015.0842	2710	Head	67875
272	-4	27140	26057	2750	2950	3031.6344	2750	Head	22115
273	0	28324	26577	2980	3180	3312.9117	3291.8302	Cont	976391
274	0	28324	25947	3050	3250	3362.0197	3342.5780	Cont	781773.62
275	0	25902	26560	2550	2750	2748.2397	2680.9130	Cont	448827
276	0	25752	26270	2470	2670	2693.1008	2649.4728	Cont	131233.32
277	0	25602	26030	2400	2600	2656.7028	2631.9499	Cont	379078

278	0	25626	25290	2300	2500	2586.2665	2576.7463	Cont	253546.84
279	0	25802	27740	2320	2520	2663.6076	2623.3015	Cont	644496
280	0	25206	22144	2150	2350	2508.7681	2508.5804	Cont	7203686
281	-4	27449	26097	2970	3170	3146.5319	2970	Head	29129.168
282	-4	27424	26197	2930	3130	3139.1425	2930	Head	49151.332
283	0	26800	26500	2460	2660	2833.3198	2663.1399	Cont	124351.33
284	0	26840	26030	2580	2780	2892.1904	2730.6828	Cont	127458.33
285	0	26560	25700	2470	2670	2781.1047	2712.4319	Cont	157229.51
286	0	27130	25560	2750	2950	3050.1051	2983.0992	Cont	450920.81
287	0	27500	25800	2870	3070	3144.4776	3074.3389	Cont	301410.65
288	-4	27130	25890	2760	2960	3038.5683	2760	Head	100038.33
289	0	27760	26170	2990	3190	3231.3351	3115.3473	Cont	180520
290	0	27550	26640	2900	3100	3140.4556	2946.7486	Cont	358294.5
291	0	26908	33700	2430	2630	2786.8665	2786.8659	Cont	948964.81
292	0	27002	32189	2610	2810	2832.2632	2832.0394	Cont	975487.18
293	0	26927	30726	2684	2884	2841.493	2835.4026	Cont	496899.68
294	0	27000	29991	2610	2810	2840.6908	2824.3194	Cont	570526.5
295	0	26983	29319	2490	2690	2834.3409	2803.2080	Cont	417653.65
296	0	26955	28630	2470	2670	2815.4215	2713.0120	Cont	88252.828
297	0	26928	27954	2450	2650	2793.4039	2583.2119	Cont	97702.328
298	-4	26855	27559	2440	2640	2778.1232	2440	Head	35203.496
299	-4	26794	27278	2410	2610	2755.7464	2410	Head	32180.002
300	0	26636	26660	2330	2530	2693.0262	2514.4275	Cont	70964.671
301	0	26423	26034	2310	2510	2661.9165	2559.3746	Cont	114405.16
302	0	26139	25301	2250	2450	2606.9264	2575.7836	Cont	572830.68
303	0	25699	24542	2210	2410	2563.4213	2559.0993	Cont	1117802.6
304	0	24963	23435	2164	2364	2514.1733	2511.7868	Cont	809781.12
305	0	22500	21846	1995	2195	2355.7950	2355.7780	Cont	1437697.7
306	0	27283	27480	2625	2825	2934.0515	2759.4202	Cont	204297.34
307	0	27150	28050	2530	2730	2869.1723	2775.1230	Cont	187505.17
308	0	26950	28300	2480	2680	2804.4568	2654.5119	Cont	70775.828
309	0	26940	28300	2480	2680	2804.4436	2654.4310	Cont	28068.334
310	0	26700	28150	2480	2680	2801.0886	2682.6559	Cont	171009.82
311	0	26500	27670	2510	2710	2794.9595	2621.3182	Cont	89622.492
312	0	26530	27330	2450	2650	2768.8155	2564.1477	Cont	116272
313	0	27758	25649	2884	3084	3229.1906	3184.1448	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2361.3756	2361.2793	Cont	1272267
317	0	4902	18700	1730	2130	2448.0755	2447.9003	Cont	1793873.7
318	0	6898	18700	2030	2430	2794.5118	2794.5173	Cont	897395.5
319	0	9487	18700	2300	2700	3021.5226	3021.3993	Cont	2478921.2

320	0	11800	18700	2200	2600	2979.7660	2979.7025	Cont	2084481.7
321	0	11800	15591	2720	3120	3376.9891	3376.6435	Cont	1796855.2
322	0	11800	12778	2730	3130	3459.9636	3459.0624	Cont	2428391.7
323	0	11800	10426	2690	3090	3450.8032	3449.8445	Cont	2560505.5
324	0	11800	7935	2690	3090	3415.0923	3414.8679	Cont	3572059
325	0	11800	5000	2370	2770	3133.1848	3133.1400	Cont	3062616.5
326	0	8511	5000	2230	2630	2989.1130	2988.9901	Cont	4570417
327	0	5652	5000	1810	2210	2523.0319	2522.9228	Cont	2147930.5
328	0	2500	5000	1600	2000	2362.7075	2362.7060	Cont	1958860.6
329	0	2500	6856	1595	1995	2369.8119	2369.8246	Cont	851191
330	0	2500	8928	1594.8	1994.8	2363.0724	2362.4271	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2362.7499	2360.9995	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2365.2957	2364.6279	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2385.5467	2385.2118	Cont	3153883.2
334	0	5605	17073	1970	2370	2696.9407	2696.2650	Cont	2479278.5
335	0	6992	17189	2210	2610	2828.7454	2828.3351	Cont	866017.75
336	0	8372	17305	2050	2450	2865.9327	2865.5335	Cont	2341256.2
337	0	10053	15641	2450	2850	3190.4118	3189.8535	Cont	4098020.7
338	0	10444	14751	2450	2850	3232.9949	3231.9657	Cont	2979780.7
339	0	9441	12370	2850	3250	3527.5055	3522.5655	Cont	3920933
340	0	9462	10661	2885	3285	3561.7821	3556.9770	Cont	4517192
341	0	8985	8075	2611	3011	3334.9248	3334.0048	Cont	7849879
342	0	7287	9068	2549	2949	3167.2103	3159.0672	Cont	3571829.7
343	0	4953	8445	1764	2164	2514.7294	2512.2161	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2375.6103	2371.7790	Cont	3344869.5
345	0	3594	13985	1725	2125	2412.5391	2409.9923	Cont	3168726
346	0	5507	15465	2090	2490	2777.1793	2774.1036	Cont	3240518.2
347	0	6132	15751	1931	2331	2744.0147	2740.5226	Cont	921241.87
348	0	6917	15726	2284	2684	2837.4983	2829.4693	Cont	435496.37
349	0	8267	15992	2259	2659	2997.5062	2995.5174	Cont	1786093.3
350	0	8301	14819	2410	2810	3120.0425	3113.9201	Cont	1887000.3
351	0	8693	13740	2617	3017	3283.7753	3274.6250	Cont	1664478.8
352	0	7787	12697	2250	2650	3033.4034	2981.1624	Cont	1143354.3
353	0	7624	11097	2650	3050	3121.2121	2998.2244	Cont	46877.496
354	0	5689	9547	1810	2210	2567.2108	2557.7409	Cont	325796.53
355	0	5107	10236	1790	2190	2483.8169	2475.9013	Cont	2299764
356	0	5203	11521	1770	2170	2517.5936	2490.4222	Cont	1188807.5
357	0	5202	13261	1770	2170	2539.2542	2519.5552	Cont	2427143.5
358	0	6195	14695	1930	2330	2726.8434	2714.3298	Cont	979702.12
359	0	6990	14991	2210	2610	2835.6040	2813.7148	Cont	192655.17
360	0	6973	14319	2090	2490	2827.5516	2781.6964	Cont	300995.53
361	0	7455	13541	2250	2650	2961.9926	2914.0840	Cont	815578.87

362	0	6918	12954	2050	2450	2784.2924	2591.1589	Cont	59082.835
363	0	7268	12047	2250	2650	2925.0560	2698.5942	Cont	225309.32
364	0	6626	11660	1930	2330	2704.5001	2530.1207	Cont	239884.65
365	0	6413	11034	1910	2310	2664.9372	2561.3671	Cont	244550.18
366	0	6129	10301	1850	2250	2613.3701	2573.0740	Cont	227482.17
367	0	6178	12422	2213	2613	2757.1407	2537.0460	Cont	297364.31
368	0	6142	13824	2050	2450	2714.7540	2682.5073	Cont	656989
369	0	6945	13630	2070	2470	2808.9656	2699.5152	Cont	180601.48
370	0	6784	12278	2010	2410	2750.7797	2500.6439	Cont	42484
371	0	6268	13173	2050	2450	2744.8283	2616.7274	Cont	135271
372	0	6365	13022	2100	2500	2771.1684	2570.3964	Cont	145908.67
373	0	6687	12823	2110	2510	2773.8543	2564.5590	Cont	54975.668
374	0	6845	12559	2040	2440	2767.4153	2522.6778	Cont	58884.996
375	0	6982	11866	2110	2510	2864.9391	2631.7162	Cont	128026.33
376	0	7160	11335	2310	2710	2971.3358	2775.4522	Cont	145059.65
377	0	7140	11057	2350	2750	2978.4236	2810.7097	Cont	48657.496
378	0	8324	11577	2580	2980	3288.9137	3250.9930	Cont	976391
379	0	8324	10947	2650	3050	3320.7509	3285.3763	Cont	781773.62
380	0	5902	11560	2150	2550	2683.5304	2603.3793	Cont	448827
381	0	5752	11270	2070	2470	2637.7594	2584.7636	Cont	131233.32
382	0	5602	11030	2000	2400	2604.8147	2571.5254	Cont	379078
383	0	5626	10290	1900	2300	2559.8192	2542.6055	Cont	253546.84
384	0	5802	12740	1920	2320	2658.1335	2581.1309	Cont	644496
385	0	5206	7144	1750	2150	2518.2337	2517.8300	Cont	7203686
386	0	7449	11097	2570	2970	3075.8186	2931.0832	Cont	42979.664
387	0	7424	11197	2530	2930	3068.1783	2906.9965	Cont	100972
388	0	6800	11500	2060	2460	2830.0575	2653.7181	Cont	124351.33
389	0	6840	11030	2180	2580	2860.7762	2719.0683	Cont	127458.33
390	0	6560	10700	2070	2470	2759.8246	2678.5942	Cont	157229.51
391	0	7130	10560	2350	2750	3000.8835	2920.4231	Cont	450920.81
392	0	7500	10800	2470	2870	3080.9526	2989.1709	Cont	301410.65
393	0	7130	10890	2360	2760	2983.7566	2831.8421	Cont	108572.17
394	0	7760	11170	2590	2990	3152.5226	3035.9135	Cont	180520
395	0	7550	11640	2500	2900	3064.9478	2890.7629	Cont	358294.5
396	0	6908	18700	2030	2430	2794.5265	2794.5318	Cont	948964.81
397	0	7002	17189	2210	2610	2828.7513	2828.3420	Cont	975487.18
398	0	6927	15726	2284	2684	2837.4958	2829.4618	Cont	496899.68
399	0	7000	14991	2210	2610	2835.6046	2813.7095	Cont	570526.5
400	0	6983	14319	2090	2490	2827.5591	2781.7269	Cont	417653.65
401	0	6955	13630	2070	2470	2808.9757	2699.5581	Cont	88252.828
402	0	6928	12954	2050	2450	2784.3458	2591.3754	Cont	97702.328
403	0	6855	12559	2040	2440	2767.5133	2522.9203	Cont	59750.996

404	0	6794	12278	2010	2410	2750.9427	2500.6095	Cont	82037.507
405	0	6636	11660	1930	2330	2704.6849	2529.9877	Cont	70964.671
406	0	6423	11034	1910	2310	2665.1551	2561.2687	Cont	114405.16
407	0	6139	10301	1850	2250	2613.6240	2573.0981	Cont	572830.68
408	0	5699	9542	1810	2210	2567.2603	2557.7757	Cont	1117802.6
409	0	4963	8435	1764	2164	2514.7968	2512.2859	Cont	809781.12
410	0	2500	6846	1595	1995	2369.5420	2369.5594	Cont	1437697.7
411	0	7283	12480	2225	2625	2910.7066	2736.1328	Cont	204297.34
412	0	7150	13050	2130	2530	2859.2561	2729.9830	Cont	187505.17
413	0	6950	13300	2080	2480	2796.9652	2647.2471	Cont	70775.828
414	0	6940	13300	2080	2480	2796.9482	2647.1756	Cont	28068.334
415	0	6700	13150	2080	2480	2784.4830	2601.8377	Cont	171009.82
416	0	6500	12670	2110	2510	2765.1928	2549.4691	Cont	89622.492
417	0	6530	12330	2050	2450	2750.8127	2524.4902	Cont	116272
418	0	7758	10649	2484	2884	3173.2772	3110.5872	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2389.8964	2389.5968	Cont	1272267
422	0	14902	18700	730	1730	2503.2160	2502.6825	Cont	1793873.7
423	0	16898	18700	1030	2030	2805.1289	2805.1895	Cont	897395.5
424	0	19487	18700	1300	2300	3002.8208	3002.4581	Cont	2478921.2
425	0	21800	18700	1200	2200	3006.1056	3005.9162	Cont	2084481.7
426	0	21800	15591	1720	2720	3299.1241	3298.1048	Cont	1796855.2
427	0	21800	12778	1730	2730	3434.4540	3431.8644	Cont	2428391.7
428	0	21800	10426	1690	2690	3449.0221	3446.3077	Cont	2560505.5
429	0	21800	7935	1690	2690	3387.1466	3386.4854	Cont	3572059
430	0	21800	5000	1370	2370	3146.4686	3146.3350	Cont	3062616.5
431	0	18511	5000	1230	2230	2998.3407	2997.9791	Cont	4570417
432	0	15652	5000	810	1810	2560.5070	2560.1962	Cont	2147930.5
433	0	12500	5000	600	1600	2380.8245	2380.8295	Cont	1958860.6
434	0	12500	6856	595	1595	2391.6950	2391.8675	Cont	851191
435	0	12500	8928	594.8	1594.8	2386.3052	2384.5400	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2390.6892	2385.4939	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2395.0389	2393.0202	Cont	2731819
438	0	13567	16979	594.5	1594.5	2428.0086	2426.9916	Cont	3153883.2
439	0	15605	17073	970	1970	2683.3725	2681.4713	Cont	2479278.5
440	0	16992	17189	1210	2210	2824.1702	2823.3401	Cont	866017.75
441	0	18372	17305	1050	2050	2911.1325	2910.0264	Cont	2341256.2
442	0	20053	15641	1450	2450	3178.4004	3176.8081	Cont	4098020.7
443	0	20444	14751	1450	2450	3245.2033	3242.3300	Cont	2979780.7
444	0	19441	12370	1850	2850	3447.3014	3435.1706	Cont	3920933
445	0	19462	10661	1885	2885	3479.7488	3468.3695	Cont	4517192

446	0	18985	8075	1611	2611	3298.3231	3295.8080	Cont	7849879
447	0	17287	9068	1549	2549	3044.8592	3028.4569	Cont	3571829.7
448	0	14953	8445	764	1764	2516.5242	2513.5075	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2414.1767	2404.1241	Cont	3344869.5
450	0	13594	13985	725	1725	2443.3660	2436.4071	Cont	3168726
451	0	15507	15465	1090	2090	2735.3267	2727.1914	Cont	3240518.2
452	0	16132	15751	931	1931	2750.5437	2742.3504	Cont	921241.87
453	0	16917	15726	1284	2284	2830.6547	2818.5399	Cont	435496.37
454	0	18267	15992	1259	2259	2989.1395	2984.2470	Cont	1786093.3
455	0	18301	14819	1410	2410	3079.0875	3065.0323	Cont	1887000.3
456	0	18693	13740	1617	2617	3212.5586	3191.7366	Cont	1664478.8
457	0	17787	12697	1250	2250	3023.2581	2947.0590	Cont	1143354.3
458	0	17624	11097	1650	2650	3013.2134	2917.5907	Cont	46877.496
459	0	15689	9547	810	1810	2571.5948	2554.2830	Cont	325796.53
460	0	15107	10236	790	1790	2520.6305	2502.6521	Cont	2299764
461	0	15203	11521	770	1770	2559.7216	2514.2626	Cont	1188807.5
462	0	15202	13261	770	1770	2584.2982	2546.0855	Cont	2427143.5
463	0	16195	14695	930	1930	2732.3422	2707.2043	Cont	979702.12
464	0	16990	14991	1210	2210	2826.7274	2795.4019	Cont	192655.17
465	0	16973	14319	1090	2090	2816.9234	2756.4572	Cont	300995.53
466	0	17455	13541	1250	2250	2931.5546	2859.2434	Cont	815578.87
467	0	16918	12954	1050	2050	2775.3404	2626.2464	Cont	59082.835
468	0	17268	12047	1250	2250	2874.6322	2726.6750	Cont	225309.32
469	0	16626	11660	930	1930	2706.8870	2565.1816	Cont	239884.65
470	0	16413	11034	910	1910	2667.9458	2568.8996	Cont	244550.18
471	0	16129	10301	850	1850	2619.6184	2569.1215	Cont	227482.17
472	0	16178	12422	1213	2213	2676.6355	2564.9196	Cont	297364.31
473	0	16142	13824	1050	2050	2695.4707	2647.7727	Cont	656989
474	0	16945	13630	1070	2070	2799.3866	2694.0049	Cont	180601.48
475	0	16784	12278	1010	2010	2743.5860	2575.5176	Cont	42484
476	0	16268	13173	1050	2050	2706.9857	2609.2094	Cont	135271
477	0	16365	13022	1100	2100	2717.1440	2599.8659	Cont	145908.67
478	0	16687	12823	1110	2110	2752.2670	2607.6935	Cont	54975.668
479	0	16845	12559	1040	2040	2757.9837	2592.0158	Cont	58884.996
480	0	16982	11866	1110	2110	2828.1344	2679.0002	Cont	128026.33
481	0	17160	11335	1310	2310	2896.1925	2773.0424	Cont	145059.65
482	0	17140	11057	1350	2350	2897.2054	2789.9225	Cont	48657.496
483	0	18324	11577	1580	2580	3218.0880	3163.2435	Cont	976391
484	0	18324	10947	1650	2650	3227.4507	3177.9561	Cont	781773.62
485	0	15902	11560	1150	2150	2629.7254	2552.849	Cont	448827
486	0	15752	11270	1070	2070	2603.7664	2543.1596	Cont	131233.32
487	0	15602	11030	1000	2000	2581.1397	2535.0138	Cont	379078

488	0	15626	10290	900	1900	2561.0266	2532.1786	Cont	253546.84	
489	0	15802	12740	920	1920	2641.5875	2564.0408	Cont	644496	
490	0	15206	7144	750	1750	2536.9921	2536.0652	Cont	7203686	
491	0	17449	11097	1570	2570	2973.003	2870.4615	Cont	42979.664	
492	0	17424	11197	1530	2530	2966.6024	2857.5285	Cont	100972	
493	0	16800	11500	1060	2060	2797.7134	2666.2330	Cont	124351.33	
494	0	16840	11030	1180	2180	2810.1825	2705.0962	Cont	127458.33	
495	0	16560	10700	1070	2070	2732.1911	2652.0752	Cont	157229.51	
496	0	17130	10560	1350	2350	2912.7763	2836.0769	Cont	450920.81	
497	0	17500	10800	1470	2470	2979.2648	2895.0751	Cont	301410.65	
498	0	17130	10890	1360	2360	2899.7024	2801.6773	Cont	108572.17	
499	0	17760	11170	1590	2590	3043.1133	2949.6091	Cont	180520	
500	0	17550	11640	1500	2500	2971.7005	2849.2437	Cont	358294.5	
501	0	16908	18700	1030	2030	2805.1371	2805.1973	Cont	948964.81	
502	0	17002	17189	1210	2210	2824.1732	2823.3446	Cont	975487.18	
503	0	16927	15726	1284	2284	2830.6516	2818.5304	Cont	496899.68	
504	0	17000	14991	1210	2210	2826.7266	2795.3923	Cont	570526.5	
505	0	16983	14319	1090	2090	2816.9307	2756.4828	Cont	417653.65	
506	0	16955	13630	1070	2070	2799.3955	2694.0345	Cont	88252.828	
507	0	16928	12954	1050	2050	2775.3939	2626.3586	Cont	97702.328	
508	0	16855	12559	1040	2040	2758.0740	2592.1568	Cont	59750.996	
509	0	16794	12278	1010	2010	2743.7175	2575.5835	Cont	82037.507	
510	0	16636	11660	930	1930	2707.0539	2565.1916	Cont	70964.671	
511	0	16423	11034	910	1910	2668.1535	2568.8905	Cont	114405.16	
512	0	16139	10301	850	1850	2619.8706	2569.1674	Cont	572830.68	
513	0	15699	9542	810	1810	2571.6455	2554.3135	Cont	1117802.6	
514	0	14963	8435	764	1764	2516.5758	2513.5658	Cont	809781.12	
515	0	12500	6846	595	1595	2391.4626	2391.6410	Cont	1437697.7	
516	0	17283	12480	1225	2225	2879.6797	2745.3301	Cont	204297.34	
517	0	17150	13050	1130	2130	2843.1034	2720.4860	Cont	187505.17	
518	0	16950	13300	1080	2080	2788.5048	2660.7108	Cont	70775.828	
519	0	16940	13300	1080	2080	2788.4898	2660.6704	Cont	28068.334	
520	0	16700	13150	1080	2080	2758.6238	2630.4997	Cont	171009.82	
521	0	16500	12670	1110	2110	2725.1664	2587.6197	Cont	89622.492	
522	0	16530	12330	1050	2050	2717.3371	2571.4261	Cont	116272	
523	0	17758	10649	1484	2484	3072.0644	3007.6872	Cont	232642.84	
524	0	5506	24899	0	0	0	0	Cont	0	1-2533
525	0	6447	26303	0	0	0	0	Cont	0	2-2642
526	0	7069	13079	0	0	0	0	Cont	0	3-2842
527	0	26439	26298	0	0	0	0	Cont	0	4-2643
528	0	5152	24460	0	0	0	0	Cont	0	5-2508
529	0	24908	24383	0	0	0	0	Cont	0	6-2483

530	0	4916	24385	0	0	0	0	Cont	0 7-2465
531	0	4845	23673	0	0	0	0	Cont	0 8-2460
532	0	7283	12480	0	0	0	0	Cont	0 10-2927
533	0	7288	27462	0	0	0	0	Cont	0 10T-2957
534	0	7729	10665	0	0	0	0	Cont	0 11-3234
535	0	7758	25649	0	0	0	0	Cont	0 11T-3215
536	0	6749	13388	0	0	0	0	Cont	0 13-2692
537	0	6281	12874	0	0	0	0	Cont	0 14-2138
538	0	5965	25190	0	0	0	0	Cont	0 WCS-2590

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	296819.89	0	1650434.9	194157.75	0	2153526.2	
2	0	418510.72	160.92134	0	6157.2692	489610.34	-0.005924	
3	0	209362.37	-0.798182	0	91799.335	495227.11	1.6306383	
4	0	578332.30	0	0	0	4337.9330	525995.01	
5	0	486309.57	0	0	2807.7688	0	528455.73	
6	0	419206.31	0	0	0	8180.5638	302979.18	
7	0	566543.81	0	0	403.05252	1727.9266	535834.28	
8	0	597365.93	0	0	2725.7745	0	620692.05	
9	0	833361.32	0	0	0	2920.4341	776700.33	
10	0	714508.46	0	0	1947.5288	470.44501	740635.97	
11	0	1066278.2	0	0	3868.7945	2417.3331	1092760.6	
12	0	501112.22	121.6261	0	3150.7300	552277.10	-0.010766	
13	0	457002.19	0	0	1007534.2	248929.87	1230297.0	
14	0	198582.86	0	0	5285971.0	0	5738796.4	
15	0	711128.18	0	1.2442e-5	2450238.6	340.92907	3194375.0	
16	0	416873.23	0	4134668.1	721923.32	0	5290452.6	
17	0	637333.41	0	3.7001e-7	824637.05	0	1494786.3	
18	0	735800.98	0	525757.37	312072.81	8918.4629	1650434.9	
19	0	578415.67	0	0	1167.9845	9328.2669	525757.31	
20	0	202041.96	3582.2671	0	463104.56	541778.88	-10917.41	
21	0	546215.06	0	1329782.0	9210.9559	0	1988602.3	
22	0	956068.22	0	0	3149.0550	4303.1912	930722.01	
23	0	695182.83	0	0	7754.0158	6.1876489	772708.98	

24	0	914753.70	0	0	440.30489	9748.4936	724896.58
25	0	1053860.9	0	0	0	10638.790	834122.05
26	0	1831376.8	0	0	3904.7723	7066.7574	1711587.5
27	0	833307.86	0	0	1169.6587	29310.261	383334.06
28	0	419248.61	2012853.7	0	4920215.9	7361038.7	-509.5781
29	0	780358.09	0	1.3130e-7	3303042.2	4031.5208	4134668.1
30	0	739263.81	6838.9088	0	819747.96	1613047.2	-0.019478
31	0	756012.88	0	0	0	25798.325	551459.53
32	0	214925.72	0	551459.53	10554.262	0	839263.05
33	0	101601.29	26546.295	0	103707.57	162317.75	-40899.85
34	0	416695.57	0	0	2542.6943	4052.0652	399059.87
35	0	440237.17	0	772708.98	3254.6782	5909.6798	1158367.3
36	0	388322.91	0	0	1090.7430	8169.2179	283508.80
37	0	266744.56	0	724896.58	6959.2031	2761.4246	991176.19
38	0	10936.520	426.21929	0	10182.810	11346.607	-0.007047
39	0	76008.323	-7.397300	0	487434.90	530789.29	-5.070177
40	0	536534.90	47677.084	9389.5029	986864.52	1684937.1	-0.421346
41	0	277348.79	34682.861	1.2164e-9	22809.125	466439.48	-0.137016
42	0	566252.57	160841.04	1276643.1	17206.912	2141985.0	-1.017069
43	0	228564.51	0	839263.05	10452.908	0	1129490.9
44	0	44946.450	32733.236	0	162447.22	135919.91	-26812.04
45	0	70222.250	49180.553	0	785297.37	532665.69	-26091.85
46	0	190274.54	0	283508.80	3087.0464	6811.0687	423438.39
47	0	13784.025	17675.386	1.4381e-6	3051242.9	2919419.0	-12775.23
48	26677.893	25886.773	0	1018720.6	25093.447	3401.0305	1092977.7
49	0	55965.092	40945.113	0	583447.09	761100.26	-24763.63
50	0	57053.553	59759.356	0	1338922.4	1484703.8	-30199.01
51	0	53071.589	46817.979	0	2141182.2	2223946.6	-34358.16
52	0	69375.099	5874.7288	0	0	6116.6321	-0.245381
53	0	153275.53	0	0	506.59689	13287.613	54065.190
54	0	42134.33	38060.232	0	536310.85	485347.09	-19854.84
55	0	9911.5172	3119.0106	3.3453e-6	3269679.0	2575417.6	-3906.625
56	0	31558.724	0	0	601.57299	1504.6790	13870.729
57	0	34040.491	1653.3565	0	810.58196	2672.0508	-0.143340
58	0	12825.823	780.18073	0	1083.6317	4039.3345	-0.101686
59	0	13737.870	2456.5675	4.2729e-6	1602781.7	1068964.2	-3329.171
60	13062.622	16805.921	981.03076	0	333.72496	4078.5254	-0.031254
61	18007.182	15835.237	714.79339	0	0	3803.5694	-0.017528
62	6192.3652	5159.4295	171.70233	0	0	3246.8066	-0.007604
63	0	227792.02	0	834122.05	3259.1836	3638.7307	1018720.5
64	0	182387.79	0	0	2874.5988	6309.6221	126267.52
65	0	104711.33	7955.8770	0	516.28163	13423.244	-0.255199

66	0	30616.736	1645.4736	0	66.843191	4835.9392	-0.066638
67	0	88438.897	2935.9659	0	601.47551	13803.724	-0.139897
68	0	59152.476	0	0	0	9265.8634	9389.3928
69	0	150360.91	0	13870.729	6873.3398	10115.560	93086.218
70	0	1680620.0	0	1711587.5	8491.5354	1921086.4	1575076.1
71	3231.3216	6795.8345	0	0	7925.1427	0	23955.871
72	12089.761	11467.006	0	0	14903.631	0	51585.279
73	0	29011.166	2121.0773	0	3192.6654	7216.3713	-0.184968
74	0	29736.029	1926.3456	0	1380.3549	6484.9769	-0.185856
75	0	36681.642	2425.4461	0	3295.1361	10786.77	-0.438041
76	0	105199.83	3356.4689	0	10517.846	19755.814	-0.288749
77	0	70319.108	0	186515.72	409.10087	21976.343	144618.13
78	1990.9433	23338.943	0	144618.13	20393.935	0	190341.95
79	0	42115.316	3020.6834	0	1565.24	10028.916	-0.014363
80	0	83590.106	9726.5678	0	4136.8803	22660.864	-0.030026
81	0	221393.49	0	1988602.3	585815.61	0	2897911.2
82	0	227581.19	3659.2808	0	448637.54	540011.77	-15.85524
83	0	115926.69	32907.149	0	126418.72	137778.00	-116.8041
84	0	133103.83	37066.130	0	103902.95	135780.91	-56.18755
85	0	97438.600	50344.790	1158367.3	32697.001	939703.31	-50.35007
86	0	20589.386	45985.163	423438.39	401113.06	701768.93	-49.17150
87	0	22793.954	17328.788	999074.17	1709155.9	2579155.2	-35.85006
88	5726.9317	8212.9765	2741.4278	0	2475446.1	1868007.4	7.3172846
89	11631.754	7507.594	2367.7088	0	3146500.8	2606083.2	43.708948
90	0	16556.056	38623.338	43.708948	943624.18	1052283.9	60.352099
91	0	26690.725	54832.551	60.352099	1547920.5	1628599.6	75.575051
92	0	133641.39	46405.860	75.575051	2124113.6	2255029.3	14.233701
93	0	260783.32	0	383348.29	361891.72	429435.06	550342.95
94	0	188921.94	762475.72	550342.95	3638212.1	5143108.1	-15.77464
95	0	335414.86	-2848.278	1575076.1	2274680.2	4831595.0	-0.851901
96	0	47662.567	3043.1443	0	2929.3784	15633.215	-0.076560
97	0	43744.955	0	0	1583.9568	8669.0896	7897.8655
98	0	16512.001	23645.516	0	488566.11	486329.04	-12951.69
99	0	6548.3421	23419.785	0	879746.75	853773.62	-26.98061
100	0	39896.594	1316.8226	0	0	7493.3763	-0.191067
101	0	20908.929	1899.2585	0	264.26646	3717.3311	-0.066821
102	0	27126.257	2311.9728	0	692.57030	6526.1973	-0.075276
103	0	54275.573	0	0	6315.9444	343.31936	60248.198
104	[DELETED]						
105	[DELETED]						
106	0	0	0.0067173	0	363.53914	0	-0.001232
107	0	0	0.0211049	0	8783.9884	650.61932	-0.007927

108	0	0	0.0159592	0	24582.449	2908.3123	-30.45260
109	0	0	0.0351650	0	0	7881.7191	-0.010316
110	0	0	0.0103375	0	5267.9690	0	-0.001257
111	0	0	0.0294041	0	0	15205.220	-0.002779
112	0	0	0.0564936	0	766.17122	3378.1393	-0.002934
113	0	0	0.0563455	0	4873.8786	0	-0.002451
114	0	0	0.0280589	0	0	5665.0307	-0.002025
115	0	0	0.0063715	0	3811.7573	961.87607	-0.000385
116	0	0	0.0283755	0	7607.7115	4801.6446	-0.004589
117	0	0	0.0236710	0	6226.1553	741.99906	-0.014404
118	0	0	0.0037556	0	1280.2368	284.01377	-0.003283
119	0	0	0.0114917	0	22144.083	0	-39.51863
120	0	0	0.1310224	0	3075.3371	0	-0.076669
121	0	0	0.0776169	0	987.10684	0	-0.009927
122	0	0	0.0406827	0	2294.3652	0	-0.004871
123	0	0	0.0423389	0	11063.618	136.92784	-0.010155
124	0	0	0.1638357	0	2599.5540	10521.875	-0.083764
125	0	0	0.7880228	0	87582.620	106576.87	-2458.410
126	0	0	0.1373827	0	16759.452	0	-0.069682
127	0	0	0.1452709	0	6082.5492	8327.4984	-0.026386
128	0	0	0.1070142	0	14053.552	233.34027	-0.011905
129	0	0	0.3836672	0	856.33962	19153.527	-0.031543
130	0	0	0.4091939	0	0	20944.712	-0.027995
131	0	0	0.2496696	0	6835.4336	13940.551	-0.041978
132	0	0	1.1878109	0	2897.0953	55319.959	-0.432446
133	0	0	4.5772334	0	906108.35	913469.26	-1146.834
134	0	0	0.3333324	0	4520.8548	44.652835	-0.056372
135	0	0	0.1692348	0	7174.7055	2052.2737	-0.023319
136	0	0	0.5246522	0	0	31911.401	-0.174595
137	0	0	0.4554026	0	17501.840	0	-0.237668
138	0	0	4.3743761	0	25336.385	37942.247	-8929.688
139	0	0	0.4823636	0	4930.1307	7578.7771	-0.176382
140	0	0	0.9010576	0	6269.0263	11552.736	-0.201803
141	0	0	0.4210766	0	2489.3896	15668.820	-0.068602
142	0	0	1.1661885	0	12833.920	7771.0830	-0.144457
143	0	0	0.7138523	0	14525.487	15149.655	-0.013307
144	0	0	0.2288599	0	103394.82	104799.73	-1073.510
145	0	0	0.9678116	0	25791.090	2100.6593	-0.393157
146	0	0	1.4234309	0	38313.887	1096.6856	-0.179342
147	0	0	1.3093091	0	29157.571	2680.8567	-0.195799
148	0	0	0.7545099	0	16809.770	0	-0.271157
149	0	0	3.419673	0	34736.018	39881.960	-5856.413

150	0	0	7.7720386	0	98194.684	160659.17	-5690.531
151	0	0	1.6336103	0	6426.1811	13496.477	-0.320248
152	0	0	1.0182466	0	624321.37	709697.06	-2744.714
153	0	0	0	0	40177.728	7454.9756	32722.753
154	0	0	5.5917581	0	224220.99	258306.35	-5366.307
155	0	0	7.5088097	0	273619.22	287086.10	-6539.514
156	0	0	4.7582939	0	419150.32	431090.97	-7503.608
157	0	0	9.5151646	0	0	9890.3065	-0.279345
158	0	0	0.7189739	0	723.69391	21810.069	-0.196627
159	0	0	5.4223690	0	75180.442	95867.634	-4310.582
160	0	0	0.0038454	0	113985.89	824230.84	-20.24732
161	0	0	0.6015595	0	190.30897	2450.7737	-0.088861
162	0	0	2.8206640	0	1155.8285	4783.5673	-0.178261
163	0	0	1.2122116	0	2722.7202	6472.0694	-0.085644
164	0	0	-0.000767	0	112134.52	664648.56	0.0101710
165	0	0	1.3256405	0	1700.7189	5546.4542	-0.021551
166	0	0	1.0111682	0	0	5549.8571	-0.013399
167	0	0	0.2469325	0	0	3581.3018	-0.007403
168	0	0	0.9251158	0	6161.9874	8269.5367	-0.040214
169	0	0	0.6355981	0	6113.3217	10323.645	-0.036901
170	0	0	14.068984	0	589.66156	22941.143	-0.240788
171	0	0	2.9491465	0	298.08343	7872.8852	-0.064829
172	0	0	5.4505998	0	1156.4330	22844.996	-0.135558
173	0	0	0.5056371	0	0	14033.926	-0.143703
174	0	0	1.2088666	0	10045.204	17678.771	-0.277141
175	0	0	0.3614343	0	16498.439	4740.5543	-0.303102
176	0	0	0.0853269	0	9005.2721	0	-0.001245
177	0	0	0.2946112	0	19687.024	0	-0.001570
178	0	0	3.4771961	0	4344.2719	12242.370	-0.181982
179	0	0	3.2040682	0	1496.1606	10569.122	-0.179234
180	0	0	4.3157502	0	7759.0276	18589.478	-0.413745
181	0	0	6.0407197	0	18238.586	36784.239	-0.266253
182	0	0	0.7375974	0	7994.6134	34363.712	-0.065601
183	0	0	0	0	33670.609	0	33670.609
184	0	0	4.5487883	0	3997.0134	15074.062	-0.016769
185	0	0	14.549178	0	9328.7979	34078.394	-0.035775
186	0	0	0.0172379	0	11874.750	0	-0.815094
187	0	0	0.8864481	0	86032.571	102809.14	-8.657803
188	0	0	4.9918253	0	27746.549	32328.184	-42.96127
189	0	0	10.129251	0	29699.238	28863.289	-22.90837
190	0	0	10.783128	0	32785.465	90564.776	-20.98803
191	0	0	2.6496199	0	105459.52	126419.39	-18.87496

192	0	0	1.6886394	0	451975.88	531048.59	-13.97679
193	0	0	0	0	1002377.0	152632.57	1473857.1
194	0	0	0	0	984350.69	0	1546231.6
195	0	0	1.6497624	0	305438.24	335185.08	-4.880428
196	0	0	3.5136828	0	320341.65	326856.76	-6.200683
197	0	0	12.030107	0	435482.17	439628.11	-21.66452
198	0	0	0.7913450	0	92161.162	92204.786	-15.04186
199	0	0	2.0650129	0	868729.96	877722.13	-21.87469
200	0	0	0.0126334	0	43853.131	0	-0.603349
201	0	0	4.3025363	0	7758.2425	24963.107	-0.074622
202	0	0	0.8212832	0	4027.9610	14396.913	-0.151444
203	0	0	1.8316871	0	101640.54	101966.48	-2813.620
204	0	0	0.7261607	0	183018.75	180599.73	-10.73608
205	0	0	2.7569695	0	0	9989.9996	-0.176458
206	0	0	2.9158765	0	1045.2566	5980.0890	-0.075653
207	0	0	3.4665193	0	2489.7845	10742.338	-0.082228
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215	0	0	0.0616601	0	9344.7487	0	-0.001416
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219	0	0	0.1674096	0	65.940508	10803.601	-0.002368
220	0	0	0.0380269	0	7327.1143	1999.6389	-0.000444
221	0	0	0.1693257	0	14753.638	9399.3692	-0.005392
222	0	0	0.1849999	0	12014.236	1757.6283	-0.018295
223	0	0	0.0297518	0	2666.9385	417.60456	-0.004077
224	0	0	0.0740798	0	34574.408	0	-299.2895
225	0	0	0.9979960	0	6194.4964	0	-0.095918
226	0	0	0.6170659	0	2412.9850	0	-0.012682
227	0	0	0.3233600	0	5205.8313	0	-0.006231
228	0	0	0.3359097	0	20385.322	894.66259	-0.012773
229	0	0	1.0227020	0	6096.3877	18731.729	-0.096780
230	0	0	1.7718670	0	150109.63	183776.19	-6067.137
231	0	0	0.7952151	0	28059.894	119.16123	-0.078897
232	0	0	0.8627684	0	11858.870	16178.277	-0.030773
233	0	0	0.6370398	0	23199.907	1194.7993	-0.013865

234	0	0	2.271221	0	1626.0584	37131.216	-0.037267
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236	0	0	1.4846102	0	10815.850	27667.542	-0.049022
237	0	0	6.5477622	0	7019.9639	103072.89	-0.500205
238	0	0	9.6311449	0	1744783.3	1762817.2	-8098.711
239	0	0	2.6254021	0	10581.492	331.66926	-0.071511
240	0	0	1.1946887	0	14034.830	4269.8897	-0.029494
241	0	0	3.4205783	0	0	49692.502	-0.212500
242	0	0	2.4149249	0	23432.290	0	-0.259877
243	0	0	8.8667469	0	67095.671	95360.835	-20395.81
244	0	0	2.6588591	0	9268.7603	13453.078	-0.192116
245	0	0	4.8998985	0	11749.354	22236.611	-0.218740
246	0	0	2.4799786	0	5996.1045	29137.529	-0.079405
247	0	0	5.8748741	0	22498.592	20312.299	-0.173898
248	0	0	0.9277038	0	20355.683	24553.633	-0.039480
249	0	0	1.5647066	0	201723.44	209721.61	-7785.231
250	0	0	6.5468414	0	36788.875	4185.8495	-0.471693
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253	0	0	4.0289833	0	21026.047	0	-0.304916
254	0	0	6.6523023	0	95619.697	116514.37	-13356.02
255	0	0	14.501074	0	185493.69	289833.63	-12933.73
256	0	0	8.3312519	0	13594.663	26194.755	-0.353261
257	0	0	1.8269413	0	1177580.3	1331218.1	-6212.987
258	0	0	0	0	59706.064	14595.165	56438.068
259	0	0	9.9373224	0	543654.01	635628.08	-12137.50
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261	0	0	8.7380581	0	767944.30	794814.43	-17171.57
262	0	0	12.425007	0	0	9015.8708	-0.446353
263	0	0	3.7669252	0	702.84857	29626.070	-0.217634
264	0	0	9.6663532	0	138760.09	180041.76	-9735.230
265	0	0	0.0057009	0	708809.11	1480025.2	-52.75532
266	0	0	2.2680778	0	4.692235	5331.4614	-0.157252
267	0	0	4.3996142	0	4409.5563	7562.9609	-0.316370
268	0	0	1.6796612	0	5689.9050	8983.3640	-0.133981
269	0	0	-0.003310	0	445099.80	899606.70	-4.507946
270	0	0	0	0	8553.4231	2372.2696	44982.129
271	0	0	0	0	2347.3679	3958.7658	35068.076
272	0	0	0	0	438.07316	3578.8894	5071.3134
273	0	0	4.3568485	0	11666.267	19150.498	-0.048933
274	0	0	3.1540950	0	13612.746	24825.890	-0.047859
275	0	0	22.394849	0	0	32967.217	-0.220886

276	0	0	4.8862111	0	847.18671	10405.061	-0.070810
277	0	0	9.6601613	0	2230.7782	30288.176	-0.126524
278	0	0	2.3265065	0	916.05963	16496.967	-0.127560
279	0	0	5.4565038	0	7497.8119	25231.229	-0.284973
280	0	0	2.6623971	0	31137.155	9719.5508	-0.378854
281	0	0	0	0	10361.928	0	10957.388
282	0	0	0	0	31872.438	0	35570.390
283	0	0	4.7073993	0	5415.8463	22977.972	-0.228916
284	0	0	4.6342028	0	3326.7073	18352.655	-0.219446
285	0	0	7.1204204	0	17404.924	29335.535	-0.478846
286	0	0	10.383202	0	29955.395	63642.054	-0.264737
287	0	0	3.1323019	0	19835.451	52076.589	-0.084036
288	0	0	0	0	49129.520	2854.4256	58915.746
289	0	0	5.4963735	0	9905.9387	22341.740	-0.023738
290	0	0	16.661109	0	21069.324	51654.32	-0.056932
291	0	0	0.1137025	0	19825.238	0	-1.644853
292	0	0	1.9935193	0	148057.74	176069.29	-2.358171
293	0	0	10.117992	0	74154.931	83996.638	-31.03918
294	0	0	19.704337	0	72599.787	80577.508	-11.37323
295	0	0	20.119581	0	65157.978	156601.08	-9.135147
296	0	0	4.7235023	0	197749.98	237612.76	-11.00279
297	0	0	3.0297293	0	850913.64	991286.26	-14.71642
298	0	0	0	0	1537270.1	529960.45	1507560.8
299	0	0	0	0	1692369.0	371897.76	1921747.2
300	0	0	2.9318228	0	711757.10	790344.11	20.674774
301	0	0	6.256425	0	594798.84	610308.24	23.539534
302	0	0	22.08352	0	798673.29	808023.90	9.0504078
303	0	0	5.3802246	0	182717.48	182910.94	-13.26735
304	0	0	4.3432559	0	1680223.7	1688978.8	-22.14262
305	0	0	0.1110381	0	90984.242	0	-0.574762
306	0	0	4.9333893	0	19027.828	35869.681	-0.079126
307	0	0	3.4480345	0	10156.047	21500.301	-0.149147
308	0	0	3.2552167	0	188868.77	212058.66	-6371.635
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311	0	0	3.4695564	0	2762.7608	6457.5543	-0.140131
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328	0	0	0.1386543	0	5631.8230	308.01767	-0.003042
329	0	0	0.2534834	0	63512.921	0	-1144.159
330	0	0	4.4899085	0	12452.300	0	-0.076144
331	0	0	2.9696241	0	6037.9493	0	-0.011334
332	0	0	1.5635383	0	11940.847	0	-0.005617
333	0	0	1.6135194	0	35992.481	3408.4141	-0.010658
334	0	0	4.4505197	0	15826.801	33034.014	-0.076754
335	0	0	4.2932895	0	215921.13	270977.05	-14958.16
336	0	0	3.3700875	0	42815.276	2085.8804	-0.063358
337	0	0	3.8231141	0	22893.891	31309.248	-0.023990
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341	0	0	6.6159372	0	18749.016	59731.315	-0.038188
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344	0	0	12.164991	0	23659.280	1754.7040	-0.061252
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347	0	0	8.8587627	0	21249.179	249.46566	-0.222422
348	0	0	17.960713	0	202029.77	267004.83	-43333.54
349	0	0	10.364143	0	16570.632	22407.334	-0.145236
350	0	0	18.655938	0	21439.967	41712.444	-0.158776
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367	0	0	12.670981	0	41463.680	93832.238	-11.05424
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370	0	0	1.4818910	0	1483314.0	1000540.7	-15462.78
371	0	0	5.4218079	0	4142.9284	13174.137	-0.355085
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375	0	0	4.5566380	0	28051.646	14235.931	-0.277606
376	0	0	5.1198643	0	47780.463	36190.661	-0.264506
377	0	0	1.8214191	0	18621.089	14757.864	-0.209871
378	0	0	13.993566	0	21788.592	40258.120	-0.048858
379	0	0	10.819151	0	31232.65	54030.162	-0.059764
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383	0	0	6.8730475	0	5886.6933	16091.259	-0.037090
384	0	0	15.533605	0	1220.1119	40212.014	-0.068486
385	0	0	11.406512	0	56731.428	19863.995	-0.299651
386	0	0	1.4413099	0	15126.425	16635.872	-0.126059
387	0	0	3.5747373	0	41726.378	42872.132	-0.063454
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390	0	0	11.285246	0	36495.548	43936.895	-0.684280
391	0	0	19.124661	0	49746.031	83753.718	-0.292193
392	0	0	9.8218633	0	43981.736	68710.308	-0.112270
393	0	0	3.9162210	0	39906.07	26140.022	-0.018062
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395	0	0	18.053452	0	42369.415	58886.548	-0.015296
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398	0	0	20.494296	0	219042.92	245973.49	-31.31028
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405	0	0	4.9994449	0	278516.27	273176.69	60.125680
406	0	0	10.242350	0	828212.22	843281.56	69.24708
407	0	0	38.245501	0	1327600.1	1341565.0	87.958394
408	0	0	21.142889	0	355359.73	353421.88	4.2089987
409	0	0	9.6563453	0	3145935.3	3147824.1	-11.78689
410	0	0	0.3971771	0	166026.69	0	-0.219811
411	0	0	7.8869003	0	37436.564	41733.091	-0.053454
412	0	0	9.1782546	0	22995.943	29751.546	-0.127219
413	0	0	5.4088282	0	335253.93	422145.85	-13427.29
414	0	0	2.1444280	0	630601.43	705303.32	-10.42998
415	0	0	10.602217	0	179744.86	196708.56	-0.025477
416	0	0	4.1675226	0	162946.35	174343.92	-3.703958
417	0	0	5.0393783	0	243322.22	252061.86	-0.017407
418	0	0	5.4107750	0	43752.771	43758.181	7.230e-11
419	[DELETED]						
420	[DELETED]						
421	0	0	2.0299884	0	6209.5830	0	-0.001358
422	0	0	5.6877565	0	21387.031	4449.2299	-0.007774
423	0	0	1.6578282	0	86291.367	10768.346	-3197.325
424	0	0	6.6898213	0	5183.0854	13285.230	-0.008808
425	0	0	2.1029256	0	9418.9145	0	-0.000326
426	0	0	5.9368155	0	0	24337.411	-0.002890
427	0	0	11.509310	0	757.31003	12156.302	-0.002766
428	0	0	11.375132	0	994.91709	2567.647	-0.002224
429	0	0	5.7959695	0	2724.8855	20210.663	-0.001618
430	0	0	1.3315953	0	11770.555	4804.4789	-0.000221
431	0	0	5.7568694	0	23951.873	16874.280	-0.003796
432	0	0	6.2452242	0	19818.787	6021.4784	-0.015086
433	0	0	0.8530032	0	6120.0655	0	-0.001632
434	0	0	0.4856972	0	129868.61	0	-2658.741
435	0	0	28.362398	0	11592.774	0	-0.053537
436	0	0	22.355584	0	7523.8124	0	-0.012039
437	0	0	12.197630	0	13360.689	0	-0.006051
438	0	0	12.134361	0	28178.177	5471.5696	-0.009472
439	0	0	27.513112	0	18360.666	25127.337	-0.062055
440	0	0	14.482878	0	209294.97	312545.38	-49594.78
441	0	0	20.335229	0	22912.692	4972.8519	-0.053404
442	0	0	26.216207	0	19972.244	29215.745	-0.019024
443	0	0	20.430854	0	20434.100	15129.850	-0.008566

444	0	0	67.013116	0	2421.257	61569.293	-0.029251
445	0	0	68.895391	0	0	69078.735	-0.025034
446	0	0	46.803351	0	17164.621	68908.137	-0.030707
447	0	0	131.26966	0	23697.252	132653.80	-0.276982
448	0	0	65.072237	0	7075278.8	7157075.3	-107903.0
449	0	0	77.546959	0	21975.963	3400.1078	-0.054918
450	0	0	39.679182	0	23195.635	8804.0914	-0.022411
451	0	0	92.165294	0	4987.8356	35882.162	-0.161532
452	0	0	38.446893	0	10756.442	10417.812	-0.174068
453	0	0	44.674191	0	792940.37	979603.15	-109336.6
454	0	0	50.883275	0	14614.319	18135.993	-0.105374
455	0	0	87.162488	0	18531.691	34524.359	-0.109243
456	0	0	62.415463	0	18075.517	41925.235	-0.046987
457	0	0	94.535619	0	33703.174	40520.669	-0.161045
458	0	0	4.6465355	0	21474.494	22783.026	-0.469550
459	0	0	23.015941	0	806102.40	939397.58	-97572.47
460	0	0	130.53921	0	20697.379	8312.6680	-0.204538
461	0	0	99.589509	0	17183.176	10479.459	-0.215893
462	0	0	120.98530	0	26014.928	11670.964	-0.175935
463	0	0	62.089602	0	10170.744	12095.585	-0.217154
464	0	0	28.009804	0	949612.78	1111743.4	-70747.52
465	0	0	52.187605	0	655959.02	848853.89	-68122.69
466	0	0	98.062401	0	28209.788	36019.620	-0.243282
467	0	0	9.1657324	0	1351033.1	1292757.6	-37731.24
468	0	0	26.529257	0	43732.303	41810.995	-0.614979
469	0	0	38.151628	0	1004155.7	913296.91	-67580.60
470	0	0	41.004727	0	295426.94	334431.18	-76852.30
471	0	0	30.490449	0	1965135.7	2081143.4	-92590.58
472	0	0	31.580854	0	3728.7676	1665.8020	-0.357198
473	0	0	50.433591	0	7570.8094	13169.298	-0.122901
474	0	0	31.928981	0	441820.40	510731.65	-50959.23
475	0	0	5.9744852	0	842098.50	617575.98	-47423.38
476	0	0	14.394878	0	3724.3402	3914.3425	-0.268378
477	0	0	17.086523	0	4947.1018	3831.9545	-0.298299
478	0	0	7.7053903	0	3767.0234	3097.5222	-0.204268
479	0	0	8.3726195	0	412703.62	287716.08	-35087.69
480	0	0	16.401079	0	17455.196	15751.902	-0.313268
481	0	0	17.278009	0	30292.468	30430.677	-0.390091
482	0	0	5.7446544	0	12627.194	12982.055	-0.338504
483	0	0	56.696402	0	21773.558	36602.361	-0.061225
484	0	0	44.329298	0	35191.753	49715.190	-0.084170
485	0	0	54.633299	0	2266.8505	8319.0705	-0.123686

486	0	0	14.606651	0	1551.0428	2945.0114	-0.128102	
487	0	0	37.099209	0	3906.4414	7499.3818	-0.063141	
488	0	0	20.920221	0	6140.5143	6849.2677	-6.13e-11	
489	0	0	52.584824	0	5129.4989	8749.2308	-2.18e-10	
490	0	0	64.398450	0	45877.716	20537.237	-0.201728	
491	0	0	4.5445800	0	9905.7294	10808.971	-0.250034	
492	0	0	10.896541	0	26155.261	27888.642	-0.111463	
493	0	0	17.438543	0	24175.072	23737.437	-0.326003	
494	0	0	17.367381	0	25925.414	26557.232	-0.359236	
495	0	0	22.256641	0	29520.993	30981.712	-0.680220	
496	0	0	48.230965	0	41649.754	54813.334	-0.355710	
497	0	0	30.410699	0	41642.372	48997.539	-0.157107	
498	0	0	12.543991	0	18076.160	19218.035	6.775e-11	
499	0	0	17.090456	0	19547.350	22524.890	-0.036923	
500	0	0	38.620754	0	35161.458	38190.427	0.0183218	
501	0	0	1.7594690	0	40394.046	0	-11.44833	
502	0	0	16.303529	0	231098.00	285440.92	21.958467	
503	0	0	50.972745	0	853379.96	949865.83	-56.52542	
504	0	0	82.962181	0	697083.05	792687.71	5.1154649	
505	0	0	72.411592	0	309304.17	433683.28	13.006585	
506	0	0	15.602460	0	717850.91	740432.85	-7.642819	
507	0	0	15.161071	0	965825.18	874346.58	32.854109	
508	0	0	8.4980941	0	739482.9	561213.48	90.271906	
509	0	0	11.533119	0	1129957.9	917224.84	119.70473	
510	0	0	11.282297	0	1100973.5	944265.16	162.01891	
511	0	0	19.190186	0	380902.02	344402.98	186.74098	
512	0	0	76.933257	0	1955978.1	1977504.0	279.35618	
513	0	0	79.014640	0	691910.32	719946.61	40.227296	
514	0	0	29.324787	0	6865930.5	6843254.5	1.4681280	
515	0	0	0.7258016	0	348404.53	0	2.3275e-5	
516	0	0	24.550669	0	29208.545	28909.171	-0.038328	
517	0	0	26.415214	0	19834.801	20168.343	-0.103525	
518	0	0	11.893954	0	517854.71	519250.24	-33822.03	
519	0	0	4.7165201	0	919114.23	886101.39	-0.114911	
520	0	0	24.943539	0	6508.7501	5636.1196	1.060e-10	
521	0	0	11.353274	0	2704.5732	2058.4549	-0.058574	
522	0	0	15.026884	0	2141.0669	1106.6071	1.557e-11	
523	0	0	18.325857	0	40610.445	40628.771	-6.02e-11	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643

528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	409	-1491060.623							
-1	19	27124199.000			-2	7	1358860.7672		
-3	9	3086482.0744			-4	9	3676311.1182		

Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area
Gradient	0.04629	0.17669	0.22490	0.28683	0.04394	0.05854	0.05775	0.06795	0.07720	0.04802	0.00015	0.01798	Grad
Angle deg	198.17	193.43	204.22	233.37	202.28	199.35	177.17	179.91	138.61	153.61	153.61	252.8	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2

Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3
Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.03869	0.18901	0.20175	0.00029	0.02418	0.22373	0.22613	0.09133	0.04426	0.14172	0.23196	0.07156	Grad
Angle deg	179.91	210.17	145.62	155.84	211.21	147.99	148.85	159.94	59.29	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45044	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	171.5	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area
Gradient	0.45407	0.18156	0.43820	0.16568	0.43148	0.73432	0.04823	0.05675	0.06644	0.19260	0.17672	0.47648	Grad
Angle deg	152.5	323.16	200.84	159	197	174.36	154.43	222.15	198.62	231.11	283.03	159.74	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.09888	0.20227	0.12854	0.15867	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad
Angle deg	15.02	155.41	217.82	176.21	175.73	85.5	114.27	123.01	203.71	93.88	90.72	184.86	Angle

ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl

Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.28045	1.38262	0.53123	0.87307	0.22265	0.18108	0.31013	0.57659	Grad
Angle deg	158.37	176.09	148.11	164.69	230.04	137.22	169.29	157.23	344.99	323.35	314.11	155.4	Angle
ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.58304	0.55735	0.36409	0.34055	0.24083	0.05974	0.15658	0.18483	0.24844	0.20309	0.18267	0.12388	Grad
Angle deg	163.96	174.2	186.03	182.21	190.95	190.95	291.72	128.44	3.19	183.68	189.01	190.6	Angle
ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.26568	0.25297	0.28317	0.31928	0.29961	0.25886	0.22795	0.75856	0.33354	0.25169	1.09870	1.1518	Grad
Angle deg	152.69	181.25	168.12	165.58	201.47	201.47	194.71	196.28	155.8	153.8	173.35	179.68	Angle
ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.22428	1.15993	0.40128	0.31747	0.42330	0.24391	0.27254	0.23026	0.07184	0.19157	0.82452	0.58321	Grad
Angle deg	194.08	157.5	351.95	311.53	343.6	159.88	172.59	195.45	140.75	48.22	162.73	191.86	Angle
ELEM	109	110	111	112	[D]	[D]	[D]	116	117	118	119	120	ELEM
Node1	47	47	102	59				73	90	49	52	44	Node1
Node2	58	58	101	101				60	60	102	101	45	Node2
Node3	57	59	52	102				90	89	52	57	43	Node3
Matl	6	6	2	2				2	2	2	2	2	Matl
Soil	1	1	1	1				1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985				44572	90640	113504	73412	264604	Area

Gradient	0.39129	0.79744	0.27264	0.90582				1.11469	0.92933	0.30885	0.08200	0.18852	Grad
Angle deg	357.61	324.16	307.66	350.35				150.64	157.45	299.66	307.81	182.2	Angle

ELEM	[D]	[D]	[D]	124	125	126	127	128	129	130	131	132	ELEM
Node1				77	37	38	38	63	79	48	60	73	Node1
Node2				76	63	79	77	80	64	80	73	74	Node2
Node3				27	80	80	79	79	77	72	61	61	Node3
Matl				3	2	3	3	2	2	3	3	3	Matl
Soil				1	1	1	1	1	1	1	1	1	Soil
Area ft^2				294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient				0.48430	0.35080	0.68054	1.13258	0.39099	0.25088	1.39263	0.34272	0.34451	Grad
Angle deg				167.62	156.38	174.01	148.02	143.39	159.11	176.94	144.03	168.12	Angle

ELEM	133	134	135	136	137	138	139	[D]	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77		71	3	3	20	Node1
Node2	74	78	75	74	78	74	71		78	81	20	82	Node2
Node3	91	62	76	78	76	75	38		77	82	82	83	Node3
Matl	3	3	3	3	3	3	3		3	7	7	7	Matl
Soil	1	1	1	1	1	1	1		1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	Area
Gradient	0.58669	0.66834	0.50080	0.15826	0.97817	0.72261	1.27246		1.26665	0.03660	0.03660	0.00324	Grad
Angle deg	175.12	255.78	178.11	301.97	106.26	143.5	149.05		148.82	91.51	91.7	109.63	Angle

ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM
Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00302	0.01066	0.01067	0.01194	0.01282	0.14298	0.14299	0.19375	0.19386	0.34212	0.34198	0.11774	Grad
Angle deg	80.58	272.65	271.72	271.53	248.02	268.07	267.76	268.35	267.72	262.98	262.22	246.87	Angle

ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1
Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2
Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.12033	0.13387	0.13288	0.07516	0.07534	0.02531	0.02643	0.02290	0.02087	0.03640	0.03929	0.05716	Grad
Angle deg	277.15	83.57	77.6	67.69	77.91	51.45	93.94	265.44	234.33	238.23	214.7	217.94	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.05736	2.19120	1.50007	1.19477	1.23867	0.61099	0.83712	0.19036	0.19358	0.87066	0.90108	0.46654	Grad
Angle deg	206.31	191.8	198.39	193.43	185.19	197.61	345.74	267.68	257.53	343.66	288.63	11.29	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.90098	1.08424	1.07989	0.05513	0.40340	0.04695	0.17546	0.22293	0.27452	0.04516	0.05796	0.05743	Grad
Angle deg	336.49	341.74	352.72	117.8	157.8	196.91	193.13	203.95	230.76	199.65	197.65	177.92	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2
Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06699	0.07440	0.05064	0.00122	0.01828	0.03940	0.18284	0.19469	0.00335	0.02578	0.21672	0.22074	Grad
Angle deg	179.59	141.07	154.05	172.23	249.48	180.12	209.83	146.1	175.3	207.36	148.39	149.85	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3
Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.09294	0.03762	0.13206	0.21956	0.06902	0.21276	0.15663	0.18620	0.15199	0.05112	0.08144	0.07620	Grad
Angle deg	161.65	70.66	219.65	177.44	56.32	131.38	200.4	177.32	82.24	343.59	15.23	357.9	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM

Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1
Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10169	0.11176	0.12300	0.12955	0.43459	0.43808	0.10945	0.35519	0.15666	0.35583	0.60877	0.05429	Grad
Angle deg	251.16	252.63	249.63	220.49	171.47	152.54	319.04	197.61	159.67	198.1	174.67	163.88	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.06091	0.06926	0.18511	0.16181	0.39807	0.19228	0.20022	0.09433	0.18090	0.12733	0.14681	0.17163	Grad
Angle deg	213.19	197.9	229.65	277.29	162.88	17.78	156.11	209.79	176.15	175.78	88.81	116.78	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14753	0.02588	0.17698	0.16576	0.36058	0.35338	0.25401	0.21197	0.20568	0.30205	1.21319	0.50275	Grad
Angle deg	124.5	183.25	96.55	94.86	183.75	159.17	176.08	151.88	165.12	160.6	136.25	167.77	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area
Gradient	0.75258	0.16829	0.12772	0.24744	0.47923	0.48745	0.47047	0.31888	0.30157	0.19485	0.01773	0.14347	Grad
Angle deg	157.04	346.72	310.65	311.67	156.33	166	175	186.03	182.88	195.05	242.7	281.49	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2

Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3
Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.15331	0.20722	0.18221	0.16775	0.12274	0.25981	0.24916	0.27543	0.31573	0.29591	0.33467	0.32673	Grad
Angle deg	138.78	1.71	185.34	189.68	191.15	153.16	182.68	170.08	166.92	198.07	198.46	197.17	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	0.83160	0.41491	0.30906	0.73909	0.74779	0.13905	0.97028	0.33512	0.25992	0.35270	0.16832	0.20199	Grad
Angle deg	196.31	164.82	161.14	170.13	172.23	187.35	156.85	353.86	306.98	345.07	156.3	176.75	Angle

ELEM	289	290	291	292	293	294	295	296	297	[D]	[D]	[D]	ELEM
Node1	161	161	159	203	191	152	152	207	164				Node1
Node2	174	162	158	202	151	163	163	206	206				Node2
Node3	162	205	205	151	190	162	164	157	207				Node3
Matl	12	12	12	12	12	16	16	12	12				Matl
Soil	2	2	2	2	2	2	2	2	2				Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985				Area
Gradient	0.17581	0.00729	0.09248	0.71672	0.55547	0.31985	0.69309	0.28445	0.77245				Grad
Angle deg	211.41	179.62	35.3	169.21	192.19	339.59	316.82	314.93	348.63				Angle

ELEM	301	302	303	304	305	[D]	[D]	[D]	309	310	311	312	ELEM
Node1	178	195	154	157	149				182	142	143	143	Node1
Node2	165	165	207	206	150				181	168	184	182	Node2
Node3	195	194	157	162	148				132	185	185	184	Node3
Matl	12	12	12	12	12				13	12	13	13	Matl
Soil	2	2	2	2	2				2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604				294860	416524.	39625	15670	Area
Gradient	0.91282	0.67130	0.26862	0.14182	0.17131				0.42305	0.39076	0.55597	0.78551	Grad
Angle deg	143.24	152.09	321.3	322.43	184.58				164.18	164.67	166.65	150.19	Angle

ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.42189	0.30871	1.05553	0.31305	0.26221	0.51446	0.33393	0.48730	0.06756	0.88877	0.62731	0.83557	Grad
Angle deg	150.87	158.48	169.85	122.09	158.93	171.98	250.55	171.61	277.21	109.28	143.85	150.62	Angle

ELEM	[D]	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1		176	108	108	125	125	138	138	149	149	150	150	Node1
Node2		183	186	125	187	138	188	149	189	150	190	159	Node2
Node3		182	187	187	188	188	189	189	190	190	191	191	Node3
Matl		13	17	17	17	17	17	17	17	17	17	17	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient		1.05665	0.03466	0.03469	0.00308	0.00288	0.01174	0.01175	0.01797	0.01820	0.13931	0.13932	Grad
Angle deg		159.81	93.7	91.69	109.47	80.29	272.36	271.86	271.21	260.16	268.72	268.02	Angle

ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.18844	0.18859	0.37568	0.37654	0.10457	0.11896	0.15743	0.15753	0.07405	0.07393	0.02446	0.02559	Grad
Angle deg	268.53	267.58	263.49	265.56	253.84	288.73	75.95	78.61	65.16	78.09	51.45	94.13	Angle

ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.02234	0.02041	0.03621	0.03868	0.05626	0.05597	1.81686	1.17651	1.01890	1.04733	0.58262	0.59974	Grad
Angle deg	265.26	233.89	238.07	216.24	218.99	212.94	190.52	197.55	194.42	187.32	198	340.81	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM
Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area

Gradient	0.19932	0.20248	0.63832	0.67735	0.37861	0.77945	0.90573	0.90590	0.30205	0.30204	0.04874	0.17169	Grad
Angle deg	267.71	257.86	338.07	290.33	2.34	332.13	341.28	355.65	160.6	160.6	193.69	192.3	Angle

ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.21883	0.25378	0.04853	0.05653	0.05646	0.06444	0.06825	0.05598	0.00412	0.01925	0.04105	0.17021	Grad
Angle deg	203.51	225.62	193.54	193.13	180.04	178.66	147.34	155.14	174.91	241.18	180.64	209.03	Angle

ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.17981	0.01092	0.03027	0.20073	0.20794	0.09518	0.03000	0.11647	0.19889	0.06522	0.19267	0.13387	Grad
Angle deg	147.41	176.7	199.81	149.51	152.15	165.28	99.58	214.47	175.44	62.77	130.5	193.41	Angle

ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM
Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16114	0.13857	0.04179	0.06958	0.06385	0.09560	0.10772	0.11966	0.13715	0.40686	0.41029	0.02372	Grad
Angle deg	173.82	83.78	346.07	17.69	353.25	250.05	252.02	248.83	212.98	171.28	152.55	275.97	Angle

ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1
Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2
Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.23487	0.13562	0.24117	0.40525	0.06947	0.07278	0.07517	0.17010	0.13818	0.27789	0.12460	0.18573	Grad
Angle deg	190.64	161.53	199.86	175.94	177	199.26	196.43	226.17	266.82	170.37	25.59	157.47	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.09163	0.14819	0.12619	0.12842	0.15644	0.14181	0.03887	0.16011	0.16201	0.34572	0.34009	0.25410	Grad
Angle deg	196.47	176.17	176.02	95.94	121.61	127.35	165.69	101.89	102.11	181.93	160.71	176.11	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.21798	0.21608	0.37270	0.96251	0.45681	0.59449	0.09024	0.07456	0.15745	0.32019	0.32960	0.32283	Grad
Angle deg	158.31	165.54	159.41	135.38	165.16	156.8	352.06	272.75	304.84	159.14	169.63	176.17	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2
Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.23053	0.23216	0.11932	0.05375	0.13093	0.11605	0.13997	0.15075	0.14381	0.12181	0.25068	0.24491	Grad
Angle deg	186	186.37	214.29	309.39	265.31	161.67	357.46	188.93	191.66	192.74	154.31	185.91	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3
Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.26746	0.30979	0.29181	0.42043	0.42972	0.80943	0.49771	0.37968	0.61314	0.63171	0.16853	0.69005	Grad
Angle deg	173.03	169.18	192.79	195.46	196.71	195.66	172.35	167.75	154.77	167.42	117.5	155.55	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM

Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1
Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.23057	0.17186	0.23704	0.05201	0.08573	0.15666	0.12977	0.06586	0.59548	0.51320	0.22463	0.50626	Grad
Angle deg	358.28	298.57	351.43	115.57	196.18	264.04	283.18	274.31	179.41	192.43	311.39	304.77	Angle

ELEM	481	482	[D]	[D]	[D]	486	487	488	489	490	[D]	[D]	ELEM
Node1	312	269				283	300	259	262	254			Node1
Node2	311	311				270	270	312	311	255			Node2
Node3	262	312				300	299	262	267	253			Node3
Matl	22	22				22	22	22	22	22			Matl
Soil	2	2				2	2	2	2	2			Soil
Area ft^2	58460	56985				44572	90640	113504	73412	264604			Area
Gradient	0.24657	0.50219				0.67478	0.22120	0.22737	0.18209	0.14400			Grad
Angle deg	322.25	345.55				119.83	117.91	349.42	327.62	191.16			Angle

ELEM	[D]	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1		287	247	248	248	273	289	258	270	283	283	284	Node1
Node2		286	273	289	287	290	274	290	283	284	284	288	Node2
Node3		237	290	290	289	289	287	282	271	271	301	272	Node3
Matl		23	22	23	23	22	22	23	23	23	23	23	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient		0.35428	0.44476	0.47020	0.52410	0.46297	0.37468	0.80633	0.39665	0.15337	0.42397	0.09501	Grad
Angle deg		158.69	172.95	159.92	154.86	159.05	158.91	166.7	82.73	115.86	165.12	137.59	Angle

ELEM	505	506	507	508	509	[D]	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287		281	213	213	230	230	243	Node1
Node2	285	284	288	284	281		288	291	230	292	243	293	Node2
Node3	286	288	286	285	248		287	292	292	293	293	294	Node3
Matl	23	23	23	23	23		23	27	27	27	27	27	Matl
Soil	2	2	2	2	2		2	2	2	2	2	2	Soil
Area ft^2	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	7315	3675	Area
Gradient	0.46144	0.09319	0.74324	0.50109	0.61091		0.82573	0.02983	0.02986	0.00250	0.00235	0.01503	Grad
Angle deg	164.16	166.58	114.54	144.51	155.21		164.95	93.71	91.7	110.77	75.59	272.23	Angle

ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2

Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.01504	0.03142	0.03154	0.13081	0.13082	0.17726	0.17744	0.35734	0.35755	0.10540	0.11597	0.16392	Grad
Angle deg	271.51	270.72	264.38	268.64	268.02	268.54	267.38	263.42	264.09	249.57	286.25	78.57	Angle

ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.16398	0.06864	0.06822	0.02197	0.02298	0.02096	0.01924	0.03560	0.03793	0.05354	0.05325	1.36516	Grad
Angle deg	79.1	63.17	78.19	50.59	94.76	264.77	233.59	238.13	216.63	219.08	212.97	188.67	Angle

ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area
Gradient	0.82809	0.80192	0.81227	0.53900	0.29311	0.20571	0.20847	0.34066	0.39205	0.21882	0.53772	0.60321	Grad
Angle deg	195.77	195.05	191.02	198.33	321.89	267.74	258.67	319.02	288.36	339.09	320.95	338.02	Angle

ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.60849	0.37270	0.37268	0.05148	0.16603	0.21225	0.22753	0.05351	0.05446	0.05451	0.06046	0.06147	Grad
Angle deg	1.26	159.41	159.41	189.16	190.94	202.73	216.67	186.13	186.21	183.9	176.61	155.9	Angle

ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.06042	0.00836	0.02102	0.04281	0.15280	0.15939	0.02080	0.03703	0.17814	0.19021	0.09796	0.03546	Grad
Angle deg	156.72	176.67	230.52	181.36	207.85	149.53	177.18	193.19	151.49	155.91	170.37	144.53	Angle

ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09723	0.17111	0.06112	0.16420	0.10691	0.12823	0.11957	0.02787	0.05219	0.04657	0.08660	0.10166	Grad
Angle deg	205.21	172.03	72.84	128.96	179.81	166.79	86.99	351.91	23.39	342.45	247.8	250.76	Angle

ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11418	0.15121	0.36600	0.36933	0.06277	0.12984	0.10984	0.13131	0.19891	0.08276	0.08402	0.08018	Grad
Angle deg	247.42	203.65	170.93	152.6	165.98	175.85	164.48	199.16	178.97	183.55	191.52	194.97	Angle

ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.15085	0.11635	0.15949	0.05666	0.16572	0.09495	0.11328	0.12555	0.10795	0.13777	0.13296	0.05918	Grad
Angle deg	221.44	251.61	189.73	55.02	159.56	182.61	176.67	176.71	109.35	129.68	132.29	156.66	Angle

ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM
Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area

Gradient	0.14002	0.15978	0.32683	0.32261	0.25576	0.23147	0.23146	0.41199	0.44899	0.40013	0.45667	0.01672	Grad
Angle deg	111.33	112.41	179.55	163.28	176.18	166.36	165.83	159.31	143.28	162.58	156.93	41.77	Angle
ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.07241	0.06447	0.15856	0.16393	0.16196	0.11842	0.15231	0.09928	0.09978	0.12728	0.10572	0.06674	Grad
Angle deg	214.5	281.48	165.15	173	178.18	188.16	198.45	278.59	287.13	247.1	196.69	341.64	Angle
ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.11860	0.11748	0.12192	0.23787	0.23989	0.25773	0.30055	0.28782	0.45823	0.45565	0.52653	0.49804	Grad
Angle deg	195.46	196.13	195.74	156.56	189.99	176.88	172.2	186.58	192.18	191.81	188.41	177	Angle
ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM
Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.42425	0.41013	0.41005	0.35236	0.57769	0.10026	0.07043	0.10559	0.14679	0.09168	0.25836	0.29536	Grad
Angle deg	172.6	159.3	159.19	154.84	156.51	9.32	278.59	26.19	12.19	307.32	300.38	273.64	Angle
ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1
Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2
Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.18260	0.50111	0.45833	0.12364	0.17093	0.07392	0.08827	0.41284	0.37547	0.36998	0.55263	0.40680	Grad
Angle deg	249.94	187.61	192.74	245.44	263.68	283.18	309.03	178.58	154.08	154.6	147.97	159.15	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.04177	0.05758	0.11723	0.44486	0.43059	0.44329	0.30123	0.46427	0.38713	0.35357	0.46873	0.41139	Grad
Angle deg	19.64	275.54	202.52	159.36	161.16	157.44	154.13	177.71	157.32	161.9	167.09	159.45	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.47464	0.31391	0.30775	0.39224	0.35027	0.41487	0.35024	0.44772	0.42487	0.40499	0.43610	0.41433	Grad
Angle deg	159.86	143.68	158.1	164.18	155.43	159.46	155.17	143.16	152.4	161.32	159.73	162.01	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2
Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.02233	0.02234	0.00105	0.00105	0.02137	0.02138	0.04760	0.04766	0.11917	0.11917	0.15851	0.15865	Grad
Angle deg	93.72	91.77	130.8	44.51	272	271.43	270.64	266.33	268.53	267.93	268.44	267.41	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.17068	0.17062	0.07799	0.07923	0.04678	0.04625	0.04735	0.04759	0.01577	0.01707	0.01894	0.01767	Grad
Angle deg	262.71	261.82	251.88	272.48	85.78	73.28	73.68	78.07	51.41	98.12	262.68	233.28	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM

Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1
Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.03423	0.03634	0.04899	0.04871	0.77051	0.50516	0.58436	0.58379	0.48057	0.18148	0.16118	0.16197	Grad
Angle deg	238.21	217.19	219.21	212.97	184.47	187.89	192.1	192.38	198.38	240.03	267.45	262.31	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.18085	0.12270	0.07300	0.14277	0.12041	0.10103	0.41199	0.41195	0.05690	0.15450	0.19649	0.19529	Grad
Angle deg	239.66	245.31	250.47	283.34	308.23	12.87	159.32	159.31	180.58	187.66	200.39	195.57	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.06381	0.05464	0.05305	0.05199	0.05158	0.05862	0.01478	0.02371	0.04249	0.12277	0.12465	0.03337	Grad
Angle deg	175.09	172.39	186.33	176.1	168.36	160.33	181.25	216.92	182.85	206.02	153.9	178.2	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area
Gradient	0.04766	0.13869	0.15792	0.10290	0.06445	0.07665	0.12970	0.05673	0.11526	0.08096	0.08510	0.08777	Grad
Angle deg	189	156.7	163.67	176.86	172.84	183.83	164.88	91.5	125.38	147.36	146.03	98.91	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2

Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3
Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00615	0.02264	0.02502	0.06976	0.08950	0.10058	0.18057	0.28794	0.29064	0.07759	0.06439	0.07504	Grad
Angle deg	86.83	59.76	286.29	239.69	246.08	243.35	190.85	169.86	153.23	162.38	157.43	170.46	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.05658	0.05800	0.07679	0.07852	0.07858	0.12039	0.09240	0.09472	0.04915	0.13159	0.10283	0.09701	Grad
Angle deg	185.73	184.66	182.46	193.5	193.44	214.65	233.87	222.48	141.24	164.05	177.15	179	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area
Gradient	0.12431	0.09241	0.11480	0.11560	0.08987	0.11916	0.15858	0.29202	0.28950	0.25553	0.25041	0.24759	Grad
Angle deg	178.58	137.85	146.03	145.11	155.12	132.12	129.07	176.35	168.66	176.34	174.64	167.44	Angle

ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.38491	0.24985	0.31074	0.33449	0.04500	0.07357	0.04247	0.05301	0.05515	0.05621	0.04935	0.09303	Grad
Angle deg	161.51	155.34	161.63	158.76	158.46	184.84	190.65	180.87	185.2	194.52	201.78	214.97	Angle

ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.07503	0.08738	0.11764	0.11251	0.03492	0.10581	0.10408	0.12288	0.20868	0.22053	0.23117	0.27223	Grad
Angle deg	241.76	232.67	228.01	213.76	255.43	201.71	203.18	200.44	162.39	193.76	182	176.04	Angle

ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.26833	0.38385	0.38344	0.35298	0.39893	0.39632	0.27635	0.27055	0.30135	0.48596	0.02241	0.04437	Grad
Angle deg	180.32	186.86	186.77	183.48	180.44	176.62	167.03	160.31	164.29	160.54	146.68	194.62	Angle

ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.01815	0.01527	0.06114	0.08156	0.1111	0.12143	0.37112	0.35249	0.07139	0.08745	0.05953	0.05789	Grad
Angle deg	209.51	223.06	228.1	252.37	240.65	228.97	188.45	192.55	221.44	246.53	237.87	240.07	Angle

ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.31439	0.28676	0.25079	0.47439	0.38445	0.02503	0.05844	0.10600	0.28931	0.27578	0.28513	0.25061	Grad
Angle deg	178.31	151.74	156.49	157.33	168.08	209.77	234.74	211.67	163.8	166.97	158.32	155.23	Angle

ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM
Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area

Gradient	0.40581	0.29555	0.25265	0.40434	0.37799	0.30611	0.27066	0.27585	0.3307	0.30362	0.31508	0.30385	Grad
Angle deg	180.21	162.8	173.41	175.24	163.5	160.75	160.18	167.48	170.43	163.19	160.44	163.46	Angle

ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.31495	0.34541	0.27178	0.28534	0.24587	0.01198	0.01199	0.00329	0.00346	0.03139	0.03139	0.05793	Grad
Angle deg	160.67	160.45	172.25	162.31	170.34	93.72	92.16	262.09	286.07	271.75	271.75	270.94	Angle

ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.05794	0.09056	0.09057	0.10097	0.10103	0.08525	0.08522	0.05766	0.05765	0.01650	0.01650	0.00632	Grad
Angle deg	267.47	268.38	268.12	268.32	267.7	262.43	260.48	255.85	263.43	246.45	266.55	99.01	Angle

ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM
Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.00570	0.00091	0.00503	0.01752	0.01707	0.03067	0.03245	0.04186	0.04161	0.47391	0.37650	0.40538	Grad
Angle deg	80.77	1.46	155.6	254.83	234.25	238.33	217.7	219.35	212.97	183.22	184.58	187.12	Angle

ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1
Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2
Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.39883	0.36039	0.11833	0.09910	0.09941	0.11600	0.10442	0.08335	0.09188	0.05933	0.02209	0.38494	Grad
Angle deg	190.74	195.4	237.73	267.66	263.51	235.22	236.02	223.91	244.57	243	212.83	161.53	Angle

ELEM	925
Node1	484
Node2	447
Node3	523
Matl	42
Soil	2
Area ft^2	377244
Gradient	0.38480
Angle deg	161.53

ELEM
Node1
Node2
Node3
Matl
Soil
Area
Grad
Angle

Model Parameters and Output

After Mining Condition

Domain and analysis parameters

Number of nodes..... 538
Number of elements..... 925
Number of materials..... 48
Number of soils..... 2
Number of connections.... 408
Number of injections..... 0
Number of particles..... 0

Length unit..... feet
Time unit..... year

Analysis time..... 0 year

Tolerance..... 0.0001 feet
Relaxation..... 1
Max head change/cycle.... 100 feet
Timestep size..... N/A
Substeps/timestep..... 1
Max cycles/timestep..... 10000000
Analysis type..... Steady State
Aquifer type..... Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode..... OFF

Number of traces..... 0
Timestep size..... 1 year
Substeps/timestep..... 20

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Material data

Mat'l #	--Hydraulic Conductivity-- (major)	(minor)	(z)	Major Angle	Specific Storage	Storage Coeff	Effect. Porosity	--Dispersivity--- Long	T'verse	Retard'n	Label

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
7	10000	10000	10000	0	0.000e0	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
9	400	400	400	0	0.000e0	0	0	0	0	0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
17	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
27	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	0.000e0	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	Orebody/N
37	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	0.000e0	0	0	0	0	0	West Lime
39	15	15	1	0	0.000e0	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	0.000e0	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	0.000e0	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	Orebody/N
47	1000	1000	1000	0	0.000e0	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	0.000e0	0	0	0	0	0	West Lime

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2393.6740	2393.6821	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2779.9902	2779.9897	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	
9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059	
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5	
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417	
12	-1	5652	20000	2510	2560	2488.6523	2488.6500	Swamp	2147930.5	
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6	
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191	
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7	
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7	
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819	
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2	
19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5	
20	19	6992	32189	2910	2960	2835.4830	2837.5151	Swamp	866017.75	
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2	
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7	
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7	
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933	
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192	

26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2513.8704	2513.8703	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2386.8154	2386.8113	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2844.6026	2846.4421	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3290.0679	3047.6207	Swamp	46877.496
39	28	5689	24547	2510	2560	2559.9623	2559.9621	Swamp	325796.53
40	29	5107	25236	2490	2540	2429.0652	2429.0490	Swamp	2299764
41	29	5203	26521	2470	2520	2406.5421	2406.5201	Swamp	1188807.5
42	29	5202	28261	2470	2520	2472.9547	2472.9367	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2844.5689	2845.6253	Swamp	192655.17
45	43	6973	29319	2790	2840	2839.9905	2839.9905	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	59	6918	27954	2750	2800	2799.9677	2799.9675	Swamp	59082.835
48	89	7268	27047	2950	3000	3000	2760	Head	110959.16
49	91	6626	26660	2630	2680	2679.8154	2679.8147	Swamp	239884.65
50	92	6413	26034	2610	2660	2659.8042	2659.8036	Swamp	244550.18
51	93	6129	25301	2550	2600	2599.7557	2599.7554	Swamp	227482.17
52	69	6178	27422	2913	2963	2886.6412	2885.8744	Swamp	297364.31
53	42	6142	28824	2750	2800	2800	2800	Swamp	656989
54	87	6945	28630	2770	2820	2819.9895	2819.9894	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.7132	2759.7880	Swamp	42484
56	69	6268	28173	2750	2800	2800	2800	Swamp	135271
57	56	6365	28022	2800	2850	2850	2850	Swamp	145908.67
58	59	6687	27823	2810	2860	2860	2860	Swamp	54975.668
59	55	6845	27559	2740	2790	2789.8647	2790	Swamp	58884.996
60	89	6982	26866	2810	2860	2860	2760	Head	72035.671
61	89	7160	26335	3010	3060	3060	2760	Head	67875
62	89	7140	26057	3050	3100	3100	2760	Head	22115
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2848.4712	2847.8387	Swamp	448827
66	41	5752	26270	2770	2820	2790.0497	2789.6742	Swamp	131233.32
67	41	5602	26030	2700	2750	2750	2750	Swamp	379078

68	40	5626	25290	2600	2650	2650	2650	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2500	2500	Swamp	7203686
71	89	7449	26097	3270	3320	3232.2697	2760	Head	29129.168
72	89	7424	26197	3230	3280	3225.3758	2760	Head	49151.332
73	90	6800	26500	2760	2810	2810	2810	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2829.2491	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2820	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	3074.9654	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3220	Swamp	301410.65
78	89	7130	25890	3060	3110	3110	2760	Head	100038.33
79	77	7760	26170	3290	3340	3340	3155.1209	Swamp	180520
80	48	7550	26640	3200	3250	3250	3036.2323	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2835.4932	2837.5257	Swamp	975487.18
83	84	6927	30726	2984	3034	2844.6005	2846.4396	Swamp	496899.68
84	85	7000	29991	2910	2960	2844.5709	2845.6270	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2840	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2820	Swamp	88252.828
87	59	6928	27954	2750	2800	2800	2800	Swamp	97702.328
88	55	6855	27559	2740	2790	2790	2790	Swamp	35203.496
89	90	6794	27278	2710	2760	2760	2760	Swamp	32180.002
90	91	6636	26660	2630	2680	2680	2680	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2660	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2600	Swamp	572830.68
93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2514	2514	Swamp	809781.12
95	-1	2500	21846	2295	2345	2344.7698	2344.7699	Swamp	1437697.7
96	87	7283	27480	2925	2975	2975	2975	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2808.8501	2808.7782	Swamp	70775.828
99	47	6940	28300	2780	2830	2808.8389	2808.7671	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2830	Swamp	171009.82
101	59	6500	27670	2810	2860	2860	2860	Swamp	89622.492
102	55	6530	27330	2750	2800	2800	2800	Swamp	116272
103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.9148	2345.9167	Cont	1272267
107	0	14902	33700	2330	2430	2400.9207	2400.9379	Cont	1793873.7
108	0	16898	33700	2630	2730	2781.9315	2782.0282	Cont	897395.5
109	0	19487	33700	2900	3000	3044.2094	3044.2183	Cont	2478921.2

110	0	21800	33700	2800	2900	2955.6710	2955.6716	Cont	2084481.7
111	0	21800	30591	3320	3420	3452.0122	3452.0045	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.5048	3476.4433	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.5575	3442.4569	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.5200	3435.5004	Cont	3572059
115	0	21800	20000	2970	3070	3122.4212	3122.4175	Cont	3062616.5
116	0	18511	20000	2830	2930	2981.6613	2981.6520	Cont	4570417
117	0	15652	20000	2410	2510	2493.1259	2493.1199	Cont	2147930.5
118	0	12500	20000	2200	2300	2351.5006	2351.5058	Cont	1958860.6
119	0	12500	21856	2195	2295	2347.9957	2348.0225	Cont	851191
120	0	12500	23928	2194.8	2294.8	2347.0605	2347.0603	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2346.6851	2346.6825	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.8738	2346.8742	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.9752	2349.9784	Cont	3153883.2
124	0	15605	32073	2570	2670	2715.5385	2715.5821	Cont	2479278.5
125	0	16992	32189	2810	2910	2834.5601	2836.5992	Cont	866017.75
126	0	18372	32305	2650	2750	2813.3091	2813.3592	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.3128	3198.3087	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.1801	3207.1491	Cont	2979780.7
129	0	19441	27370	3450	3550	3586.9528	3586.5422	Cont	3920933
130	0	19462	25661	3485	3585	3621.8642	3621.2399	Cont	4517192
131	0	18985	23075	3211	3311	3356.6821	3356.6064	Cont	7849879
132	0	17287	24068	3149	3249	3274.2181	3273.4040	Cont	3571829.7
133	0	14953	23445	2364	2464	2513.9150	2513.8997	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2348.5190	2348.5125	Cont	3344869.5
135	0	13594	28985	2325	2425	2390.0660	2390.0608	Cont	3168726
136	0	15507	30465	2690	2790	2828.2684	2828.2846	Cont	3240518.2
137	0	16132	30751	2531	2631	2697.2066	2697.294	Cont	921241.87
138	0	16917	30726	2884	2984	2843.7611	2845.6027	Cont	435496.37
139	0	18267	30992	2859	2959	3006.6153	3006.6598	Cont	1786093.3
140	0	18301	29819	3010	3110	3152.7501	3152.7213	Cont	1887000.3
141	0	18693	28740	3217	3317	3350.8274	3350.5741	Cont	1664478.8
142	0	17787	27697	2850	2950	3009.2090	3005.5641	Cont	1143354.3
143	0	17624	26097	3250	3350	3255.7212	3014.8061	Cont	46877.496
144	0	15689	24547	2410	2510	2560.9188	2560.8515	Cont	325796.53
145	0	15107	25236	2390	2490	2437.6876	2437.6462	Cont	2299764
146	0	15203	26521	2370	2470	2426.1411	2426.0785	Cont	1188807.5
147	0	15202	28261	2370	2470	2482.8223	2482.7900	Cont	2427143.5
148	0	16195	29695	2530	2630	2692.2183	2692.2400	Cont	979702.12
149	0	16990	29991	2810	2910	2843.5286	2844.5928	Cont	192655.17
150	0	16973	29319	2690	2790	2838.4180	2838.4696	Cont	300995.53
151	0	17455	28541	2850	2950	2992.3792	2991.9456	Cont	815578.87

152	0	16918	27954	2650	2750	2798.2694	2798.2985	Cont	59082.835
153	89	17268	27047	2850	2950	2984.8603	2760	Head	110959.16
154	0	16626	26660	2530	2630	2683.7963	2683.4617	Cont	239884.65
155	0	16413	26034	2510	2610	2660.2108	2659.8892	Cont	244550.18
156	0	16129	25301	2450	2550	2601.8066	2601.6308	Cont	227482.17
157	0	16178	27422	2813	2913	2844.8949	2844.0849	Cont	297364.31
158	0	16142	28824	2650	2750	2777.8246	2777.8076	Cont	656989
159	0	16945	28630	2670	2770	2818.7949	2818.7693	Cont	180601.48
160	0	16784	27278	2610	2710	2758.5453	2758.1389	Cont	42484
161	0	16268	28173	2650	2750	2789.4977	2789.3722	Cont	135271
162	0	16365	28022	2700	2800	2827.2824	2827.0753	Cont	145908.67
163	0	16687	27823	2710	2810	2829.7170	2829.5436	Cont	54975.668
164	0	16845	27559	2640	2740	2786.1523	2785.8433	Cont	58884.996
165	89	16982	26866	2710	2810	2869.7675	2760	Head	72035.671
166	89	17160	26335	2910	3010	3043.9768	2760	Head	67875
167	89	17140	26057	2950	3050	3073.2825	2760	Head	22115
168	0	18324	26577	3180	3280	3324.7486	3316.9097	Cont	976391
169	0	18324	25947	3250	3350	3386.9137	3378.3568	Cont	781773.62
170	0	15902	26560	2750	2850	2808.5204	2807.8755	Cont	448827
171	0	15752	26270	2670	2770	2749.8130	2749.4173	Cont	131233.32
172	0	15602	26030	2600	2700	2711.3503	2711.2574	Cont	379078
173	0	15626	25290	2500	2600	2621.9082	2621.8283	Cont	253546.84
174	0	15802	27740	2520	2620	2667.9415	2667.8318	Cont	644496
175	0	15206	22144	2350	2450	2502.4159	2502.4024	Cont	7203686
176	89	17449	26097	3170	3270	3200.1469	2760	Head	29129.168
177	89	17424	26197	3130	3230	3193.0924	2760	Head	49151.332
178	0	16800	26500	2660	2760	2822.7440	2786.3107	Cont	124351.33
179	0	16840	26030	2780	2880	2915.7585	2802.4535	Cont	127458.33
180	0	16560	25700	2670	2770	2803.1676	2793.5135	Cont	157229.51
181	0	17130	25560	2950	3050	3082.4309	3042.8827	Cont	450920.81
182	0	17500	25800	3070	3170	3191.5160	3149.0739	Cont	301410.65
183	89	17130	25890	2960	3060	3082.0344	2760	Head	100038.33
184	0	17760	26170	3190	3290	3296.7890	3104.8446	Cont	180520
185	0	17550	26640	3100	3200	3206.2261	2988.8493	Cont	358294.5
186	0	16908	33700	2630	2730	2781.9539	2782.0515	Cont	948964.81
187	0	17002	32189	2810	2910	2834.5696	2836.6091	Cont	975487.18
188	0	16927	30726	2884	2984	2843.7593	2845.6006	Cont	496899.68
189	0	17000	29991	2810	2910	2843.5300	2844.5937	Cont	570526.5
190	0	16983	29319	2690	2790	2838.4254	2838.4771	Cont	417653.65
191	0	16955	28630	2670	2770	2818.8049	2818.7792	Cont	88252.828
192	0	16928	27954	2650	2750	2798.3065	2798.3373	Cont	97702.328
193	0	16855	27559	2640	2740	2786.2702	2785.9608	Cont	35203.496

194	0	16794	27278	2610	2710	2758.8100	2758.4022	Cont	32180.002
195	0	16636	26660	2530	2630	2683.9967	2683.6616	Cont	70964.671
196	0	16423	26034	2510	2610	2660.4108	2660.0884	Cont	114405.16
197	0	16139	25301	2450	2550	2602.0585	2601.8820	Cont	572830.68
198	0	15699	24542	2410	2510	2560.9634	2560.8961	Cont	1117802.6
199	0	14963	23435	2364	2464	2514.0009	2513.9856	Cont	809781.12
200	0	12500	21846	2195	2295	2347.6871	2347.7139	Cont	1437697.7
201	0	17283	27480	2825	2925	2957.3330	2924.6103	Cont	204297.34
202	0	17150	28050	2730	2830	2875.9917	2873.9467	Cont	187505.17
203	0	16950	28300	2680	2780	2807.8207	2807.7180	Cont	70775.828
204	0	16940	28300	2680	2780	2807.8090	2807.7064	Cont	28068.334
205	0	16700	28150	2680	2780	2818.7179	2818.5996	Cont	171009.82
206	0	16500	27670	2710	2810	2835.0929	2834.7873	Cont	89622.492
207	0	16530	27330	2650	2750	2789.8912	2789.4848	Cont	116272
208	0	17758	25649	3084	3184	3268.1900	3242.2180	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2351.4859	2351.4933	Cont	1272267
212	0	24902	33700	2130	2330	2419.9221	2419.9663	Cont	1793873.7
213	0	26898	33700	2430	2630	2786.8470	2787.1967	Cont	897395.5
214	0	29487	33700	2700	2900	3034.5358	3034.5620	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.4966	2965.4985	Cont	2084481.7
216	0	31800	30591	3120	3320	3421.1129	3421.0900	Cont	1796855.2
217	0	31800	27778	3130	3330	3470.1568	3469.9740	Cont	2428391.7
218	0	31800	25426	3090	3290	3446.5273	3446.2283	Cont	2560505.5
219	0	31800	22935	3090	3290	3427.5110	3427.4525	Cont	3572059
220	0	31800	20000	2770	2970	3126.7054	3126.6944	Cont	3062616.5
221	0	28511	20000	2630	2830	2984.6153	2984.5875	Cont	4570417
222	0	25652	20000	2210	2410	2505.0064	2504.9894	Cont	2147930.5
223	0	22500	20000	2000	2200	2355.6959	2355.7165	Cont	1958860.6
224	0	22500	21856	1995	2195	2356.0892	2356.1959	Cont	851191
225	0	22500	23928	1994.8	2194.8	2353.2262	2353.2253	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2352.6027	2352.5924	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2353.7846	2353.7865	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2364.3084	2364.3212	Cont	3153883.2
229	0	25605	32073	2370	2570	2707.4368	2707.5664	Cont	2479278.5
230	0	26992	32189	2610	2810	2832.2552	2834.3193	Cont	866017.75
231	0	28372	32305	2450	2650	2835.6303	2835.769	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.2651	3195.2529	Cont	4098020.7
233	0	30444	29751	2850	3050	3218.7538	3218.6615	Cont	2979780.7
234	0	29441	27370	3250	3450	3563.6269	3562.4197	Cont	3920933
235	0	29462	25661	3285	3485	3598.3415	3596.5090	Cont	4517192

236	0	28985	23075	3011	3211	3348.5856	3348.3611	Cont	7849879
237	0	27287	24068	2949	3149	3230.9606	3228.6671	Cont	3571829.7
238	0	24953	23445	2164	2364	2514.0948	2514.0348	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2358.8528	2358.8271	Cont	3344869.5
240	0	23594	28985	2125	2325	2398.8329	2398.8245	Cont	3168726
241	0	25507	30465	2490	2690	2806.0772	2806.1297	Cont	3240518.2
242	0	26132	30751	2331	2531	2720.7594	2720.9875	Cont	921241.87
243	0	26917	30726	2684	2884	2841.4950	2843.3461	Cont	435496.37
244	0	28267	30992	2659	2859	3002.6996	3002.8188	Cont	1786093.3
245	0	28301	29819	2810	3010	3139.8203	3139.7308	Cont	1887000.3
246	0	28693	28740	3017	3217	3323.1622	3322.4170	Cont	1664478.8
247	0	27787	27697	2650	2850	3022.1674	3012.3705	Cont	1143354.3
248	0	27624	26097	3050	3250	3196.9387	2969.2308	Cont	46877.496
249	0	25689	24547	2210	2410	2563.3746	2563.1185	Cont	325796.53
250	0	25107	25236	2190	2390	2458.1559	2458.0398	Cont	2299764
251	0	25203	26521	2170	2370	2469.9484	2469.7756	Cont	1188807.5
252	0	25202	28261	2170	2370	2507.1697	2507.0958	Cont	2427143.5
253	0	26195	29695	2330	2530	2709.7683	2709.8271	Cont	979702.12
254	0	26990	29991	2610	2810	2840.6897	2841.7801	Cont	192655.17
255	0	26973	29319	2490	2690	2834.3336	2834.5018	Cont	300995.53
256	0	27455	28541	2650	2850	2979.6243	2978.3635	Cont	815578.87
257	0	26918	27954	2450	2650	2793.3573	2793.2376	Cont	59082.835
258	89	27268	27047	2650	2850	2959.3073	2760	Head	110959.16
259	0	26626	26660	2330	2530	2692.8295	2691.6404	Cont	239884.65
260	0	26413	26034	2310	2510	2661.7084	2660.5834	Cont	244550.18
261	0	26129	25301	2250	2450	2606.6741	2606.0247	Cont	227482.17
262	0	26178	27422	2613	2813	2788.3105	2787.2771	Cont	297364.31
263	0	26142	28824	2450	2650	2746.0728	2746.0229	Cont	656989
264	0	26945	28630	2470	2670	2815.4118	2815.3172	Cont	180601.48
265	0	26784	27278	2410	2610	2755.5259	2754.1524	Cont	42484
266	0	26268	28173	2450	2650	2768.9208	2768.5513	Cont	135271
267	0	26365	28022	2500	2700	2793.3213	2792.7013	Cont	145908.67
268	0	26687	27823	2510	2710	2796.4962	2795.9221	Cont	54975.668
269	0	26845	27559	2440	2640	2778.0126	2776.9159	Cont	58884.996
270	89	26982	26866	2510	2710	2875.0104	2760	Head	72035.671
271	89	27160	26335	2710	2910	3015.0842	2760	Head	67875
272	89	27140	26057	2750	2950	3031.6344	2760	Head	22115
273	0	28324	26577	2980	3180	3312.9117	3292.9714	Cont	976391
274	0	28324	25947	3050	3250	3362.0197	3339.8388	Cont	781773.62
275	0	25902	26560	2550	2750	2748.2397	2747.5291	Cont	448827
276	0	25752	26270	2470	2670	2693.1008	2692.6142	Cont	131233.32
277	0	25602	26030	2400	2600	2656.7028	2656.4496	Cont	379078

278	0	25626	25290	2300	2500	2586.2665	2586.0281	Cont	253546.84
279	0	25802	27740	2320	2520	2663.6076	2663.3061	Cont	644496
280	0	25206	22144	2150	2350	2508.7681	2508.7151	Cont	7203686
281	89	27449	26097	2970	3170	3146.5319	2760	Head	29129.168
282	89	27424	26197	2930	3130	3139.1425	2760	Head	49151.332
283	0	26800	26500	2460	2660	2833.3198	2761.5158	Cont	124351.33
284	0	26840	26030	2580	2780	2892.1904	2773.0952	Cont	127458.33
285	0	26560	25700	2470	2670	2781.1047	2759.5501	Cont	157229.51
286	0	27130	25560	2750	2950	3050.1051	2991.2308	Cont	450920.81
287	0	27500	25800	2870	3070	3144.4776	3055.7617	Cont	301410.65
288	89	27130	25890	2760	2960	3038.5683	2760	Head	100038.33
289	0	27760	26170	2990	3190	3231.3351	3042.6898	Cont	180520
290	0	27550	26640	2900	3100	3140.4556	2932.7475	Cont	358294.5
291	0	26908	33700	2430	2630	2786.8665	2787.2169	Cont	948964.81
292	0	27002	32189	2610	2810	2832.2632	2834.3277	Cont	975487.18
293	0	26927	30726	2684	2884	2841.493	2843.3437	Cont	496899.68
294	0	27000	29991	2610	2810	2840.6908	2841.7808	Cont	570526.5
295	0	26983	29319	2490	2690	2834.3409	2834.5094	Cont	417653.65
296	0	26955	28630	2470	2670	2815.4215	2815.3271	Cont	88252.828
297	0	26928	27954	2450	2650	2793.4039	2793.2872	Cont	97702.328
298	89	26855	27559	2440	2640	2778.1232	2777.0291	Cont	35203.496
299	89	26794	27278	2410	2610	2755.7464	2754.3719	Cont	32180.002
300	0	26636	26660	2330	2530	2693.0262	2691.8362	Cont	70964.671
301	0	26423	26034	2310	2510	2661.9165	2660.7897	Cont	114405.16
302	0	26139	25301	2250	2450	2606.9264	2606.2746	Cont	572830.68
303	0	25699	24542	2210	2410	2563.4213	2563.1650	Cont	1117802.6
304	0	24963	23435	2164	2364	2514.1733	2514.1134	Cont	809781.12
305	0	22500	21846	1995	2195	2355.7950	2355.902	Cont	1437697.7
306	0	27283	27480	2625	2825	2934.0515	2871.7527	Cont	204297.34
307	0	27150	28050	2530	2730	2869.1723	2863.8042	Cont	187505.17
308	0	26950	28300	2480	2680	2804.4568	2804.2425	Cont	70775.828
309	0	26940	28300	2480	2680	2804.4436	2804.2293	Cont	28068.334
310	0	26700	28150	2480	2680	2801.0886	2800.7209	Cont	171009.82
311	0	26500	27670	2510	2710	2794.9595	2794.0824	Cont	89622.492
312	0	26530	27330	2450	2650	2768.8155	2767.6596	Cont	116272
313	0	27758	25649	2884	3084	3229.1906	3173.3594	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2361.3756	2361.3934	Cont	1272267
317	0	4902	18700	1730	2130	2448.0755	2448.1692	Cont	1793873.7
318	0	6898	18700	2030	2430	2794.5118	2795.2847	Cont	897395.5
319	0	9487	18700	2300	2700	3021.5226	3021.5805	Cont	2478921.2

320	0	11800	18700	2200	2600	2979.7660	2979.7703	Cont	2084481.7
321	0	11800	15591	2720	3120	3376.9891	3376.9375	Cont	1796855.2
322	0	11800	12778	2730	3130	3459.9636	3459.5563	Cont	2428391.7
323	0	11800	10426	2690	3090	3450.8032	3450.1400	Cont	2560505.5
324	0	11800	7935	2690	3090	3415.0923	3414.9611	Cont	3572059
325	0	11800	5000	2370	2770	3133.1848	3133.1599	Cont	3062616.5
326	0	8511	5000	2230	2630	2989.1130	2989.0507	Cont	4570417
327	0	5652	5000	1810	2210	2523.0319	2522.9942	Cont	2147930.5
328	0	2500	5000	1600	2000	2362.7075	2362.7573	Cont	1958860.6
329	0	2500	6856	1595	1995	2369.8119	2370.0845	Cont	851191
330	0	2500	8928	1594.8	1994.8	2363.0724	2363.0706	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2362.7499	2362.7253	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2365.2957	2365.3002	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2385.5467	2385.5770	Cont	3153883.2
334	0	5605	17073	1970	2370	2696.9407	2697.2025	Cont	2479278.5
335	0	6992	17189	2210	2610	2828.7454	2830.8735	Cont	866017.75
336	0	8372	17305	2050	2450	2865.9327	2866.2054	Cont	2341256.2
337	0	10053	15641	2450	2850	3190.4118	3190.3837	Cont	4098020.7
338	0	10444	14751	2450	2850	3232.9949	3232.7900	Cont	2979780.7
339	0	9441	12370	2850	3250	3527.5055	3524.9526	Cont	3920933
340	0	9462	10661	2885	3285	3561.7821	3557.9438	Cont	4517192
341	0	8985	8075	2611	3011	3334.9248	3334.4310	Cont	7849879
342	0	7287	9068	2549	2949	3167.2103	3162.7739	Cont	3571829.7
343	0	4953	8445	1764	2164	2514.7294	2514.5872	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2375.6103	2375.5497	Cont	3344869.5
345	0	3594	13985	1725	2125	2412.5391	2412.5247	Cont	3168726
346	0	5507	15465	2090	2490	2777.1793	2777.2951	Cont	3240518.2
347	0	6132	15751	1931	2331	2744.0147	2744.4227	Cont	921241.87
348	0	6917	15726	2284	2684	2837.4983	2839.3781	Cont	435496.37
349	0	8267	15992	2259	2659	2997.5062	2997.7270	Cont	1786093.3
350	0	8301	14819	2410	2810	3120.0425	3119.8324	Cont	1887000.3
351	0	8693	13740	2617	3017	3283.7753	3282.2016	Cont	1664478.8
352	0	7787	12697	2250	2650	3033.4034	3016.9549	Cont	1143354.3
353	0	7624	11097	2650	3050	3121.2121	2976.6477	Cont	46877.496
354	0	5689	9547	1810	2210	2567.2108	2566.6166	Cont	325796.53
355	0	5107	10236	1790	2190	2483.8169	2483.5655	Cont	2299764
356	0	5203	11521	1770	2170	2517.5936	2517.2464	Cont	1188807.5
357	0	5202	13261	1770	2170	2539.2542	2539.1079	Cont	2427143.5
358	0	6195	14695	1930	2330	2726.8434	2726.9552	Cont	979702.12
359	0	6990	14991	2210	2610	2835.6040	2836.7525	Cont	192655.17
360	0	6973	14319	2090	2490	2827.5516	2827.8658	Cont	300995.53
361	0	7455	13541	2250	2650	2961.9926	2959.4750	Cont	815578.87

362	0	6918	12954	2050	2450	2784.2924	2783.5306	Cont	59082.835
363	0	7268	12047	2250	2650	2925.0560	2824.6648	Cont	225309.32
364	0	6626	11660	1930	2330	2704.5001	2702.2154	Cont	239884.65
365	0	6413	11034	1910	2310	2664.9372	2662.7566	Cont	244550.18
366	0	6129	10301	1850	2250	2613.3701	2611.9861	Cont	227482.17
367	0	6178	12422	2213	2613	2757.1407	2755.4552	Cont	297364.31
368	0	6142	13824	2050	2450	2714.7540	2714.6487	Cont	656989
369	0	6945	13630	2070	2470	2808.9656	2808.7402	Cont	180601.48
370	0	6784	12278	2010	2410	2750.7797	2748.5960	Cont	42484
371	0	6268	13173	2050	2450	2744.8283	2744.0666	Cont	135271
372	0	6365	13022	2100	2500	2771.1684	2769.8954	Cont	145908.67
373	0	6687	12823	2110	2510	2773.8543	2772.6187	Cont	54975.668
374	0	6845	12559	2040	2440	2767.4153	2765.6002	Cont	58884.996
375	0	6982	11866	2110	2510	2864.9391	2785.2253	Cont	128026.33
376	0	7160	11335	2310	2710	2971.3358	2823.2269	Cont	145059.65
377	0	7140	11057	2350	2750	2978.4236	2836.8198	Cont	48657.496
378	0	8324	11577	2580	2980	3288.9137	3256.8817	Cont	976391
379	0	8324	10947	2650	3050	3320.7509	3285.1584	Cont	781773.62
380	0	5902	11560	2150	2550	2683.5304	2682.6252	Cont	448827
381	0	5752	11270	2070	2470	2637.7594	2637.0522	Cont	131233.32
382	0	5602	11030	2000	2400	2604.8147	2604.3197	Cont	379078
383	0	5626	10290	1900	2300	2559.8192	2559.3071	Cont	253546.84
384	0	5802	12740	1920	2320	2658.1335	2657.5434	Cont	644496
385	0	5206	7144	1750	2150	2518.2337	2518.1101	Cont	7203686
386	0	7449	11097	2570	2970	3075.8186	2910.1689	Cont	42979.664
387	0	7424	11197	2530	2930	3068.1783	2891.4384	Cont	100972
388	0	6800	11500	2060	2460	2830.0575	2761.1027	Cont	124351.33
389	0	6840	11030	2180	2580	2860.7762	2774.913	Cont	127458.33
390	0	6560	10700	2070	2470	2759.8246	2733.0510	Cont	157229.51
391	0	7130	10560	2350	2750	3000.8835	2936.2244	Cont	450920.81
392	0	7500	10800	2470	2870	3080.9526	2988.2562	Cont	301410.65
393	0	7130	10890	2360	2760	2983.7566	2853.6221	Cont	108572.17
394	0	7760	11170	2590	2990	3152.5226	3014.9164	Cont	180520
395	0	7550	11640	2500	2900	3064.9478	2920.0165	Cont	358294.5
396	0	6908	18700	2030	2430	2794.5265	2795.3000	Cont	948964.81
397	0	7002	17189	2210	2610	2828.7513	2830.8797	Cont	975487.18
398	0	6927	15726	2284	2684	2837.4958	2839.3753	Cont	496899.68
399	0	7000	14991	2210	2610	2835.6046	2836.7528	Cont	570526.5
400	0	6983	14319	2090	2490	2827.5591	2827.8737	Cont	417653.65
401	0	6955	13630	2070	2470	2808.9757	2808.7506	Cont	88252.828
402	0	6928	12954	2050	2450	2784.3458	2783.5872	Cont	97702.328
403	0	6855	12559	2040	2440	2767.5133	2765.7015	Cont	59750.996

404	0	6794	12278	2010	2410	2750.9427	2748.7595	Cont	82037.507
405	0	6636	11660	1930	2330	2704.6849	2702.3997	Cont	70964.671
406	0	6423	11034	1910	2310	2665.1551	2662.9719	Cont	114405.16
407	0	6139	10301	1850	2250	2613.6240	2612.2357	Cont	572830.68
408	0	5699	9542	1810	2210	2567.2603	2566.6656	Cont	1117802.6
409	0	4963	8435	1764	2164	2514.7968	2514.6545	Cont	809781.12
410	0	2500	6846	1595	1995	2369.5420	2369.8154	Cont	1437697.7
411	0	7283	12480	2225	2625	2910.7066	2858.1258	Cont	204297.34
412	0	7150	13050	2130	2530	2859.2561	2851.6216	Cont	187505.17
413	0	6950	13300	2080	2480	2796.9652	2796.4529	Cont	70775.828
414	0	6940	13300	2080	2480	2796.9482	2796.4356	Cont	28068.334
415	0	6700	13150	2080	2480	2784.4830	2783.6672	Cont	171009.82
416	0	6500	12670	2110	2510	2765.1928	2763.6843	Cont	89622.492
417	0	6530	12330	2050	2450	2750.8127	2748.9049	Cont	116272
418	0	7758	10649	2484	2884	3173.2772	3110.4426	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2389.8964	2389.9506	Cont	1272267
422	0	14902	18700	730	1730	2503.2160	2503.4604	Cont	1793873.7
423	0	16898	18700	1030	2030	2805.1289	2806.6203	Cont	897395.5
424	0	19487	18700	1300	2300	3002.8208	3002.9738	Cont	2478921.2
425	0	21800	18700	1200	2200	3006.1056	3006.1179	Cont	2084481.7
426	0	21800	15591	1720	2720	3299.1241	3298.9723	Cont	1796855.2
427	0	21800	12778	1730	2730	3434.4540	3433.3309	Cont	2428391.7
428	0	21800	10426	1690	2690	3449.0221	3447.2467	Cont	2560505.5
429	0	21800	7935	1690	2690	3387.1466	3386.7661	Cont	3572059
430	0	21800	5000	1370	2370	3146.4686	3146.3944	Cont	3062616.5
431	0	18511	5000	1230	2230	2998.3407	2998.1593	Cont	4570417
432	0	15652	5000	810	1810	2560.5070	2560.3991	Cont	2147930.5
433	0	12500	5000	600	1600	2380.8245	2380.9713	Cont	1958860.6
434	0	12500	6856	595	1595	2391.6950	2392.3599	Cont	851191
435	0	12500	8928	594.8	1594.8	2386.3052	2386.3024	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2390.6892	2390.6153	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2395.0389	2395.0534	Cont	2731819
438	0	13567	16979	594.5	1594.5	2428.0086	2428.0946	Cont	3153883.2
439	0	15605	17073	970	1970	2683.3725	2683.9165	Cont	2479278.5
440	0	16992	17189	1210	2210	2824.1702	2826.4757	Cont	866017.75
441	0	18372	17305	1050	2050	2911.1325	2911.6783	Cont	2341256.2
442	0	20053	15641	1450	2450	3178.4004	3178.3096	Cont	4098020.7
443	0	20444	14751	1450	2450	3245.2033	3244.6486	Cont	2979780.7
444	0	19441	12370	1850	2850	3447.3014	3441.9491	Cont	3920933
445	0	19462	10661	1885	2885	3479.7488	3472.1902	Cont	4517192

446	0	18985	8075	1611	2611	3298.3231	3297.0581	Cont	7849879
447	0	17287	9068	1549	2549	3044.8592	3037.9739	Cont	3571829.7
448	0	14953	8445	764	1764	2516.5242	2516.2576	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2414.1767	2414.0087	Cont	3344869.5
450	0	13594	13985	725	1725	2443.3660	2443.3338	Cont	3168726
451	0	15507	15465	1090	2090	2735.3267	2735.6043	Cont	3240518.2
452	0	16132	15751	931	1931	2750.5437	2751.2144	Cont	921241.87
453	0	16917	15726	1284	2284	2830.6547	2832.6239	Cont	435496.37
454	0	18267	15992	1259	2259	2989.1395	2989.5044	Cont	1786093.3
455	0	18301	14819	1410	2410	3079.0875	3078.4968	Cont	1887000.3
456	0	18693	13740	1617	2617	3212.5586	3209.3514	Cont	1664478.8
457	0	17787	12697	1250	2250	3023.2581	3006.3816	Cont	1143354.3
458	0	17624	11097	1650	2650	3013.2134	2956.3070	Cont	46877.496
459	0	15689	9547	810	1810	2571.5948	2570.5561	Cont	325796.53
460	0	15107	10236	790	1790	2520.6305	2520.0283	Cont	2299764
461	0	15203	11521	770	1770	2559.7216	2559.0273	Cont	1188807.5
462	0	15202	13261	770	1770	2584.2982	2584.0104	Cont	2427143.5
463	0	16195	14695	930	1930	2732.3422	2732.5570	Cont	979702.12
464	0	16990	14991	1210	2210	2826.7274	2828.0006	Cont	192655.17
465	0	16973	14319	1090	2090	2816.9234	2817.3908	Cont	300995.53
466	0	17455	13541	1250	2250	2931.5546	2927.7706	Cont	815578.87
467	0	16918	12954	1050	2050	2775.3404	2774.0822	Cont	59082.835
468	0	17268	12047	1250	2250	2874.6322	2838.8922	Cont	225309.32
469	0	16626	11660	930	1930	2706.8870	2704.2548	Cont	239884.65
470	0	16413	11034	910	1910	2667.9458	2665.3732	Cont	244550.18
471	0	16129	10301	850	1850	2619.6184	2617.7051	Cont	227482.17
472	0	16178	12422	1213	2213	2676.6355	2675.4595	Cont	297364.31
473	0	16142	13824	1050	2050	2695.4707	2695.3195	Cont	656989
474	0	16945	13630	1070	2070	2799.3866	2799.0227	Cont	180601.48
475	0	16784	12278	1010	2010	2743.5860	2741.2947	Cont	42484
476	0	16268	13173	1050	2050	2706.9857	2706.2478	Cont	135271
477	0	16365	13022	1100	2100	2717.1440	2716.1763	Cont	145908.67
478	0	16687	12823	1110	2110	2752.2670	2750.9423	Cont	54975.668
479	0	16845	12559	1040	2040	2757.9837	2756.0421	Cont	58884.996
480	0	16982	11866	1110	2110	2828.1344	2798.0066	Cont	128026.33
481	0	17160	11335	1310	2310	2896.1925	2845.1508	Cont	145059.65
482	0	17140	11057	1350	2350	2897.2054	2848.2442	Cont	48657.496
483	0	18324	11577	1580	2580	3218.0880	3187.1741	Cont	976391
484	0	18324	10947	1650	2650	3227.4507	3195.4986	Cont	781773.62
485	0	15902	11560	1150	2150	2629.7254	2628.5490	Cont	448827
486	0	15752	11270	1070	2070	2603.7664	2602.6924	Cont	131233.32
487	0	15602	11030	1000	2000	2581.1397	2580.2267	Cont	379078

488	0	15626	10290	900	1900	2561.0266	2560.0561	Cont	253546.84	
489	0	15802	12740	920	1920	2641.5875	2640.8603	Cont	644496	
490	0	15206	7144	750	1750	2536.9921	2536.6789	Cont	7203686	
491	0	17449	11097	1570	2570	2973.003	2915.2486	Cont	42979.664	
492	0	17424	11197	1530	2530	2966.6024	2906.7053	Cont	100972	
493	0	16800	11500	1060	2060	2797.7134	2769.4134	Cont	124351.33	
494	0	16840	11030	1180	2180	2810.1825	2777.1551	Cont	127458.33	
495	0	16560	10700	1070	2070	2732.1911	2716.6154	Cont	157229.51	
496	0	17130	10560	1350	2350	2912.7763	2875.3882	Cont	450920.81	
497	0	17500	10800	1470	2470	2979.2648	2931.2956	Cont	301410.65	
498	0	17130	10890	1360	2360	2899.7024	2853.4062	Cont	108572.17	
499	0	17760	11170	1590	2590	3043.1133	2986.6590	Cont	180520	
500	0	17550	11640	1500	2500	2971.7005	2917.0858	Cont	358294.5	
501	0	16908	18700	1030	2030	2805.1371	2806.6288	Cont	948964.81	
502	0	17002	17189	1210	2210	2824.1732	2826.4789	Cont	975487.18	
503	0	16927	15726	1284	2284	2830.6516	2832.6206	Cont	496899.68	
504	0	17000	14991	1210	2210	2826.7266	2827.9995	Cont	570526.5	
505	0	16983	14319	1090	2090	2816.9307	2817.3985	Cont	417653.65	
506	0	16955	13630	1070	2070	2799.3955	2799.0320	Cont	88252.828	
507	0	16928	12954	1050	2050	2775.3939	2774.1377	Cont	97702.328	
508	0	16855	12559	1040	2040	2758.0740	2756.1353	Cont	59750.996	
509	0	16794	12278	1010	2010	2743.7175	2741.4278	Cont	82037.507	
510	0	16636	11660	930	1930	2707.0539	2704.4222	Cont	70964.671	
511	0	16423	11034	910	1910	2668.1535	2665.5790	Cont	114405.16	
512	0	16139	10301	850	1850	2619.8706	2617.9531	Cont	572830.68	
513	0	15699	9542	810	1810	2571.6455	2570.6060	Cont	1117802.6	
514	0	14963	8435	764	1764	2516.5758	2516.3090	Cont	809781.12	
515	0	12500	6846	595	1595	2391.4626	2392.1292	Cont	1437697.7	
516	0	17283	12480	1225	2225	2879.6797	2856.9399	Cont	204297.34	
517	0	17150	13050	1130	2130	2843.1034	2837.3107	Cont	187505.17	
518	0	16950	13300	1080	2080	2788.5048	2787.7155	Cont	70775.828	
519	0	16940	13300	1080	2080	2788.4898	2787.7001	Cont	28068.334	
520	0	16700	13150	1080	2080	2758.6238	2757.7153	Cont	171009.82	
521	0	16500	12670	1110	2110	2725.1664	2723.7955	Cont	89622.492	
522	0	16530	12330	1050	2050	2717.3371	2715.5218	Cont	116272	
523	0	17758	10649	1484	2484	3072.0644	3034.3703	Cont	232642.84	
524	0	5506	24899	0	0	0	0	Cont	0	1-2533
525	0	6447	26303	0	0	0	0	Cont	0	2-2642
526	0	7069	13079	0	0	0	0	Cont	0	3-2842
527	0	26439	26298	0	0	0	0	Cont	0	4-2643
528	0	5152	24460	0	0	0	0	Cont	0	5-2508
529	0	24908	24383	0	0	0	0	Cont	0	6-2483

530	0	4916	24385	0	0	0	0	Cont	0	7-2465
531	0	4845	23673	0	0	0	0	Cont	0	8-2460
532	0	7283	12480	0	0	0	0	Cont	0	10-2927
533	0	7288	27462	0	0	0	0	Cont	0	10T-2957
534	0	7729	10665	0	0	0	0	Cont	0	11-3234
535	0	7758	25649	0	0	0	0	Cont	0	11T-3215
536	0	6749	13388	0	0	0	0	Cont	0	13-2692
537	0	6281	12874	0	0	0	0	Cont	0	14-2138
538	0	5965	25190	0	0	0	0	Cont	0	WCS-2590

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	296819.89	0	1652454.1	194189.26	0	2155652.3	
2	0	418510.72	0	0	6157.0667	489694.37	0.0979550	
3	0	209362.37	0	0	95358.416	508559.97	-0.009933	
4	0	578332.30	0	0	0	4337.9330	526220.09	
5	0	486309.57	0	0	2807.7688	0	528525.81	
6	0	419206.31	0	0	0	8180.5638	303241.62	
7	0	566543.81	0	0	403.05252	1727.9266	536429.24	
8	0	597365.93	0	0	2725.7745	0	621062.14	
9	0	833361.32	0	0	0	2920.4341	776865.11	
10	0	714508.46	0	0	1947.5288	470.44501	740666.07	
11	0	1066278.2	0	0	3868.7945	2417.3462	1092897.9	
12	0	501112.22	0	0	3150.7635	552239.68	0.0020496	
13	0	457002.19	0	0	1007523.6	248543.48	1230726.3	
14	0	198582.86	0	0	7786511.1	0	8243575.2	
15	0	711128.18	0	0	2479832.6	340.92907	3225057.8	
16	0	416873.23	0	4144007.0	721944.10	0	5301424.4	
17	0	637333.41	0	0	824660.88	0	1495767.2	
18	0	735800.98	0	527121.14	312125.36	8918.4629	1652454.1	
19	0	578415.67	0	0	1193.0481	9328.1360	527121.09	
20	0	202041.96	0	0	519636.96	588273.55	812.80427	
21	0	546215.06	0	1333138.2	9236.1634	0	1992847.3	
22	0	956068.22	0	0	3149.0550	4303.1912	931811.24	
23	0	695182.83	0	0	7754.0158	6.1876489	773939.92	

24	0	914753.70	0	0	440.30489	9748.4936	729556.23
25	0	1053860.9	0	0	0	10638.790	836032.32
26	0	1831376.8	0	0	3904.7723	7066.7574	1713252.4
27	0	833307.86	0	0	1169.6587	29115.635	393046.64
28	0	419248.61	0	0	5523078.9	5950705.4	0.1394639
29	0	780358.09	0	2.1336e-8	3305609.3	4031.5208	4144006.2
30	0	739263.81	0	0	822374.60	1613094.1	-0.739328
31	0	756012.88	0	0	0	25797.413	557797.40
32	0	214925.72	0	557797.40	10689.154	0	848429.32
33	0	101601.29	0	0	10040.974	31264.906	577.40202
34	0	416695.57	0	0	2556.5710	3992.5398	401327.05
35	0	440237.17	0	773939.92	3254.6782	5752.5958	1165896.3
36	0	388322.91	0	0	1090.7430	8169.2179	290109.50
37	0	266744.56	0	729556.23	6827.4202	1124.4921	1023209.7
38	0	10936.520	0	0	14983.347	15664.745	0.0003749
39	0	76008.323	0	0	225137.10	424519.84	0.1223408
40	0	536534.90	0	14582.979	1017057.2	1684766.7	-0.271302
41	0	277348.79	0	2464.4374	24765.287	466328.48	-0.648035
42	0	566252.57	0	1408401.7	17186.938	2147496.3	-1.285160
43	0	228564.51	0	848429.32	10694.106	0	1149543.0
44	0	44946.450	0	0	54339.618	29889.168	362.88209
45	0	70222.250	0	0	144440.64	113621.33	0.0979860
46	0	190274.54	0	290109.50	3087.0464	5023.4862	456551.05
47	0	13784.025	0	32458.135	207873.44	193277.07	0.0246968
48	26677.893	25886.773	0	1019960.7	20694.005	0	1093219.3
49	0	55965.092	0	0	1536758.4	1813161.2	0.0671982
50	0	57053.553	0	0	1791468.5	1854302.9	0.0761785
51	0	53071.589	0	0	405431.03	607230.75	0.0820863
52	0	69375.099	0	0	0	11772.098	0.0228929
53	0	153275.53	0	0	736.57921	12808.289	72674.283
54	0	42134.33	0	0	96241.968	85132.470	0.0974762
55	0	9911.5172	0	1828549.5	177624.97	1936368.1	0.7681978
56	0	31558.724	0	15870.815	1989.2402	1504.6790	43121.997
57	0	34040.491	0	0	575.51457	2842.2458	15870.819
58	0	12825.823	0	0	0	3689.9764	681.03955
59	0	13737.870	0	2441860.5	1374.1364	2283012.9	46332.834
60	13062.622	16805.921	0	0	586.00268	698.01069	29756.535
61	18007.182	15835.237	0	0	1616.9279	141.09323	35318.254
62	6192.3652	5159.4295	0	0	1308.4005	0	12660.195
63	0	227792.02	0	836032.32	3182.2778	4441.9580	1019960.7
64	0	182387.79	0	0	2874.5988	7311.6855	121550.59
65	0	104711.33	0	0	1395.9075	14404.255	0.1056370

66	0	30616.736	0	0	468.1715	5283.1245	0.0410945
67	0	88438.897	0	0	1249.0074	14277.979	2464.4327
68	0	59152.476	0	0	0	8640.4308	14582.977
69	0	150360.91	0	43122.020	11555.849	10105.288	186184.29
70	0	1680620.0	0	1713252.4	8491.5354	1873287.1	1626046.6
71	3231.3216	6795.8345	0	0	16574.369	0	26601.525
72	12089.761	11467.006	0	0	18213.381	898.81482	40871.334
73	0	29011.166	0	0	13.165589	5619.5834	6739.0085
74	0	29736.029	0	0	0	6967.2379	0.0024841
75	0	36681.642	0	0	1908.7097	8735.2772	2092.0642
76	0	105199.83	0	0	10189.642	18944.238	0.0084330
77	0	70319.108	0	181798.79	397.69799	27824.976	117950.91
78	1990.9433	23338.943	0	117950.91	17706.398	0	160987.20
79	0	42115.316	0	0	3735.2606	12508.732	0.0007712
80	0	83590.106	0	0	3993.3196	21604.559	0.0017030
81	0	221393.49	0	1992847.3	602693.43	0	2924159.9
82	0	227581.19	0	0	491558.94	584597.25	1.5208716
83	0	115926.69	0	0	23830.651	40366.469	1.9887057
84	0	133103.83	0	1.9887057	5068.2092	65245.290	2.8244443
85	0	97438.600	0	1165899.1	23535.504	156429.97	1029287.8
86	0	20589.386	0	1485838.9	95695.077	129630.7	1405828.2
87	0	22793.954	0	2469879.6	136552.97	142326.72	2428545.1
88	5726.9317	8212.9765	0	0	1883523.8	246.57687	1758655.2
89	11631.754	7507.594	0	1784285.8	1662119.4	0	3405472.2
90	0	16556.056	0	3412212.0	2375909.7	1598440.4	4423816.2
91	0	26690.725	0	4425908.3	1561771.1	1726657.1	4293367.1
92	0	133641.39	0	4293367.2	861231.49	500210.11	4930704.5
93	0	260783.32	0	5323751.2	305262.08	97614.480	5892493.4
94	0	188921.94	0	5892493.4	2150949.7	5800109.3	2428725.5
95	0	335414.86	0	4054772.2	2277059	7321215.1	1.7913094
96	0	47662.567	0	0	545.06011	12780.096	1112.6107
97	0	43744.955	0	0	2060.8612	2293.5627	39728.865
98	0	16512.001	0	0	86595.239	68859.914	54.108031
99	0	6548.3421	0	0	134371.74	106376.32	0.1215300
100	0	39896.594	0	0	129.21917	1069.0889	32458.137
101	0	20908.929	0	0	115.84220	855.06608	12637.628
102	0	27126.257	0	0	1435.6195	924.24134	23562.252
103	0	54275.573	0	0	6315.9444	343.31936	60248.198
104	[DELETED]						
105	[DELETED]						
106	0	0	0	0	364.06771	0	0.0320311
107	0	0	0	0	8786.4935	650.71205	0.0358978

108	0	0	0	0	25523.313	2908.5076	10.855215
109	0	0	0	0	0	7878.9966	0.0050111
110	0	0	0	0	5268.6337	0	0.0007800
111	0	0	0	0	0	15202.646	0.0007568
112	0	0	0	0	768.76261	3375.0951	0.0004994
113	0	0	0	0	4876.1496	0	0.0003047
114	0	0	0	0	0	5663.5523	0.0002256
115	0	0	0	0	3811.8572	961.69826	6.8179e-5
116	0	0	0	0	7609.0636	4801.7590	0.0006118
117	0	0	0	0	6226.8049	741.50205	0.0015095
118	0	0	0	0	1280.3212	283.26223	0.0024182
119	0	0	0	0	24188.623	0	16.931939
120	0	0	0	0	3118.1538	0	-0.015809
121	0	0	0	0	999.68965	0	0.0135841
122	0	0	0	0	2301.3843	0	0.0128010
123	0	0	0	0	11069.345	136.76790	0.0166089
124	0	0	0	0	2652.1620	10514.612	-0.029320
125	0	0	0	0	99367.83	116131.31	166.95135
126	0	0	0	0	16812.833	0	0.0115504
127	0	0	0	0	6082.5117	8314.0816	0.0047348
128	0	0	0	0	14069.071	234.16293	0.0020062
129	0	0	0	0	852.48569	19103.805	0.0031948
130	0	0	0	0	0	21000.071	0.0013958
131	0	0	0	0	6854.3986	13942.081	0.0021385
132	0	0	0	0	2885.9080	54876.778	0.0073952
133	0	0	0	0	905989.03	910567.71	11.424119
134	0	0	0	0	4619.9985	51.560838	-0.012199
135	0	0	0	0	7230.6656	2058.6930	-0.034151
136	0	0	0	0	0	31800.617	-0.077928
137	0	0	0	0	17745.552	0	-0.012178
138	0	0	0	0	5080.0237	9560.9409	158.88864
139	0	0	0	0	4975.1847	7473.7710	0.0094615
140	0	0	0	0	6287.6987	11215.434	0.0084665
141	0	0	0	0	2465.0412	15488.477	0.0048248
142	0	0	0	0	12392.790	4156.9447	0.0045806
143	0	0	0	0	24625.816	27759.422	0.0004085
144	0	0	0	0	69841.122	56614.320	8.8648833
145	0	0	0	0	26436.807	2077.1802	-0.034891
146	0	0	0	0	42433.558	1229.7071	-0.057372
147	0	0	0	0	30258.397	2709.6192	-0.289105
148	0	0	0	0	17416.683	0	-0.040884
149	0	0	0	0	9179.8231	12269.654	84.035483

150	0	0	0	0	22183.206	30869.738	10.171092
151	0	0	0	0	6247.5184	9681.9297	0.0048500
152	0	0	0	0	53612.103	49844.215	5.3602105
153	0	0	0	0	33014.616	0	33014.616
154	0	0	0	0	301157.74	253874.88	7.7822638
155	0	0	0	0	312362.32	322986.94	8.6951845
156	0	0	0	0	87528.266	60818.154	9.6876516
157	0	0	0	0	0	18450.845	0.0137931
158	0	0	0	0	1944.5101	21398.696	-0.021136
159	0	0	0	0	16819.931	17288.179	7.2115496
160	0	0	0	0	134404.20	146653.86	5.9008583
161	0	0	0	0	2969.0794	3067.0839	0.0018034
162	0	0	0	0	627.34889	4607.5705	0.0050561
163	0	0	0	0	75.832550	3863.9112	0.0015645
164	0	0	0	0	141354.76	172994.36	4.4876825
165	0	0	0	0	616.72735	1423.5449	-806.8175
166	0	0	0	0	1786.7219	172.99599	1613.7259
167	0	0	0	0	1604.2444	0	1604.2444
168	0	0	0	0	6124.8924	9773.5337	0.0013923
169	0	0	0	0	6232.1286	12444.921	0.0007221
170	0	0	0	0	2355.2815	24820.343	0.0343137
171	0	0	0	0	1112.3306	8710.7200	0.0066738
172	0	0	0	0	2453.2168	23801.980	-0.005825
173	0	0	0	0	397.25112	13497.127	-0.002254
174	0	0	0	0	19335.954	18953.690	-0.006315
175	0	0	0	0	16522.855	4569.1080	0.0090470
176	0	0	0	0	28738.999	0	28738.999
177	0	0	0	0	31122.106	1592.5381	29529.568
178	0	0	0	0	21.066315	7964.9934	0.0010404
179	0	0	0	0	0	10295.576	0.0013715
180	0	0	0	0	4808.4916	14771.314	0.0019439
181	0	0	0	0	16315.067	35123.986	0.0041342
182	0	0	0	0	8394.5657	44919.451	0.0009876
183	0	0	0	0	30276.297	0	30276.297
184	0	0	0	0	7855.0255	20587.204	0.0004676
185	0	0	0	0	8909.8618	35829.021	0.0011583
186	0	0	0	0	12355.688	0	0.1220763
187	0	0	0	0	94832.323	112000.28	0.5399108
188	0	0	0	0	5028.0954	10763.854	0.5906814
189	0	0	0	0	5340.3555	8660.6064	0.2442003
190	0	0	0	0	9630.6845	18419.837	0.1137156
191	0	0	0	0	24199.283	24857.384	0.0916540

192	0	0	0	0	41284.427	37557.47	0.0638894
193	0	0	0	0	93785.910	125065.87	0.0416333
194	0	0	0	0	79570.561	86598.568	0.0420339
195	0	0	0	0	360301.26	312769.28	0.0647917
196	0	0	0	0	284541.44	294587.47	0.0688753
197	0	0	0	0	131245.97	105499.96	0.0722887
198	0	0	0	0	54724.427	43702.298	0.1152446
199	0	0	0	0	864120.84	878318.61	0.1998598
200	0	0	0	0	42686.649	0	0.2587649
201	0	0	0	0	2741.2155	19058.358	0.0008465
202	0	0	0	0	3797.0770	4410.8337	0.0012608
203	0	0	0	0	19816.818	14748.980	12.693554
204	0	0	0	0	28166.494	23073.788	0.0676650
205	0	0	0	0	152.66432	1555.5186	0.0020812
206	0	0	0	0	9.9632019	1461.9210	0.0021236
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214	0	0	0	0	252.10749	13330.645	0.0040582
215	0	0	0	0	9348.7051	0	0.0007563
216	0	0	0	0	0	26468.482	0.0009001
217	0	0	0	0	1394.0151	6495.5227	0.0006719
218	0	0	0	0	7747.5777	0	0.0002872
219	0	0	0	0	67.383741	10796.221	0.0002206
220	0	0	0	0	7327.7106	1998.5790	7.3439e-5
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222	0	0	0	0	12018.261	1754.3827	0.0012584
223	0	0	0	0	2667.6177	413.83800	0.0024657
224	0	0	0	0	35355.964	0	121.19994
225	0	0	0	0	6311.6574	0	-0.007724
226	0	0	0	0	2512.0698	0	0.0040760
227	0	0	0	0	5260.5305	0	0.0081306
228	0	0	0	0	20420.529	893.36755	0.0092572
229	0	0	0	0	6246.9866	18725.172	-0.012697
230	0	0	0	0	176302.95	204230.66	331.92034
231	0	0	0	0	28128.110	65.999906	0.0084750
232	0	0	0	0	11895.927	16138.783	0.0041356
233	0	0	0	0	23291.088	1199.7540	0.0019656

234	0	0	0	0	1603.4541	36819.804	0.0030924
235	0	0	0	0	0	41017.404	0.0013252
236	0	0	0	0	10883.377	27633.706	0.0018434
237	0	0	0	0	6956.7450	101919.01	0.0068644
238	0	0	0	0	1786270.2	1799736.0	77.544188
239	0	0	0	0	11314.523	425.12321	-0.014993
240	0	0	0	0	14426.342	4320.303	-0.019989
241	0	0	0	0	0	49110.492	-0.045884
242	0	0	0	0	23893.423	0	-0.006633
243	0	0	0	0	5700.8489	14501.338	278.86948
244	0	0	0	0	9429.0216	13284.308	0.0068840
245	0	0	0	0	11854.611	21419.539	0.0062801
246	0	0	0	0	5852.6910	28182.752	0.0037116
247	0	0	0	0	21259.621	12657.345	0.0041812
248	0	0	0	0	37948.132	45649.123	0.0008434
249	0	0	0	0	142111.87	116883.86	60.157659
250	0	0	0	0	38590.073	4079.5404	-0.019910
251	0	0	0	0	60235.236	5167.6480	-0.029884
252	0	0	0	0	49349.275	5605.3234	-0.111583
253	0	0	0	0	22799.037	0	-0.018794
254	0	0	0	0	22993.106	29852.027	140.25586
255	0	0	0	0	43398.885	58454.040	67.731417
256	0	0	0	0	12647.721	18272.336	0.0042060
257	0	0	0	0	135047.71	136892.91	34.765528
258	0	0	0	0	47232.283	12.508087	62292.950
259	0	0	0	0	315486.76	255365.22	53.989213
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261	0	0	0	0	95609.822	56296.286	67.786354
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263	0	0	0	0	5410.4376	30265.019	-0.008477
264	0	0	0	0	33371.682	35680.545	47.434592
265	0	0	0	0	229298.97	249339.24	40.297861
266	0	0	0	0	3926.4781	5860.5141	0.0035793
267	0	0	0	0	610.56794	6711.6062	0.0071816
268	0	0	0	0	0	1905.9807	0.0028883
269	0	0	0	0	201371.49	235505.92	30.925076
270	0	0	0	0	71.062789	2794.2439	497.54916
271	0	0	0	0	506.98629	106.72483	11484.768
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273	0	0	0	0	11445.673	21036.327	0.0014615
274	0	0	0	0	14147.340	28711.571	0.0009415
275	0	0	0	0	3733.6258	35738.045	0.0043876

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279	0	0	0	0	28389.932	31707.771	-0.004760
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281	0	0	0	0	45582.526	0	54867.866
282	0	0	0	0	48914.725	2615.3854	62666.616
283	0	0	0	0	170.14808	8819.3020	0.0016799
284	0	0	0	0	0	12859.355	0.0016126
285	0	0	0	0	11467.828	22323.965	0.0029946
286	0	0	0	0	23910.416	60207.490	0.0029939
287	0	0	0	0	21183.400	66000.216	0.0011771
288	0	0	0	0	46372.043	0	62844.898
289	0	0	0	0	16055.763	32060.785	0.0004959
290	0	0	0	0	19596.044	54223.901	0.0012367
291	0	0	0	0	20642.038	0	0.1627127
292	0	0	0	0	167138.36	195816.65	0.2452134
293	0	0	0	0	5927.0474	17242.548	0.3360448
294	0	0	0	0	13774.759	21170.619	0.1325802
295	0	0	0	0	20569.348	35697.937	0.1063986
296	0	0	0	0	46104.376	49238.823	0.0997894
297	0	0	0	0	101147.05	103606.10	0.0415285
298	0	0	0	0	121851.53	160795.20	-0.021784
299	0	0	0	0	136101.82	151902.82	-0.035760
300	0	0	0	0	414502.96	354326.55	-0.038402
301	0	0	0	0	375494.38	384222.28	-0.039818
302	0	0	0	0	115749.99	78161.301	-0.064384
303	0	0	0	0	109855.9	89444.845	0.1057032
304	0	0	0	0	1716690.5	1728616.5	0.1684211
305	0	0	0	0	91924.923	0	0.2885217
306	0	0	0	0	10153.952	25831.789	0.0010805
307	0	0	0	0	7055.7946	8321.8429	0.0013701
308	0	0	0	0	39218.805	34443.345	40.163608
309	0	0	0	0	60582.662	55455.505	0.0547166
310	0	0	0	0	184.27316	1892.0809	0.0023995
311	0	0	0	0	48.486845	1588.0099	0.0029142
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319	0	0	0	0	2347.5875	21211.821	0.0018146
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321	0	0	0	0	0	41959.176	0.0005710
322	0	0	0	0	2289.6724	12391.238	0.0004359
323	0	0	0	0	9624.0082	0	0.0001727
324	0	0	0	0	1125.8028	20944.679	0.0001234
325	0	0	0	0	13747.655	4234.7484	4.1482e-5
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328	0	0	0	0	5634.7076	292.96483	0.0016801
329	0	0	0	0	65689.535	0	540.13982
330	0	0	0	0	12798.901	0	-0.000784
331	0	0	0	0	6495.9731	0	-0.002369
332	0	0	0	0	12197.202	0	0.0008410
333	0	0	0	0	36147.427	3402.0025	0.0008959
334	0	0	0	0	16230.039	32996.693	-0.001519
335	0	0	0	0	279369.72	318846.13	698.63254
336	0	0	0	0	43012.267	1985.1123	0.0041982
337	0	0	0	0	23050.634	31148.007	0.0019324
338	0	0	0	0	33312.441	4321.8365	0.0009533
339	0	0	0	0	2891.0660	69200.383	0.0017151
340	0	0	0	0	0	78385.290	0.0008998
341	0	0	0	0	18744.010	59286.850	0.0009831
342	0	0	0	0	17245.435	178623.69	0.0047925
343	0	0	0	0	3481126.5	3488111.4	355.57498
344	0	0	0	0	26620.474	2187.3674	-0.010244
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346	0	0	0	0	0	64133.420	-0.012859
347	0	0	0	0	22352.820	376.51809	-0.000144
348	0	0	0	0	11721.564	29567.669	476.53082
349	0	0	0	0	17134.951	22181.482	0.0032379
350	0	0	0	0	21848.583	39690.445	0.0030579
351	0	0	0	0	14049.832	48924.768	0.0016896
352	0	0	0	0	36225.406	29773.141	0.0030012
353	0	0	0	0	33150.476	32242.195	0.0038970
354	0	0	0	0	295219.3	250632.78	270.22650
355	0	0	0	0	49640.423	8978.5445	-0.006655
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358	0	0	0	0	26172.487	5997.4169	-0.002718
359	0	0	0	0	62581.815	77468.695	314.77357

360	0	0	0	0	86905.433	112087.67	277.28896
361	0	0	0	0	25343.806	33723.141	0.0034527
362	0	0	0	0	336166.68	372895.40	136.84075
363	0	0	0	0	40927.800	26841.820	0.0065198
364	0	0	0	0	326218.46	222109.20	232.48389
365	0	0	0	0	436598.24	423800.04	266.00718
366	0	0	0	0	394642.14	345400.20	298.64981
367	0	0	0	0	37563.260	46138.323	0.1833991
368	0	0	0	0	14634.779	35768.252	0.0024388
369	0	0	0	0	74634.671	93250.738	193.40416
370	0	0	0	0	385392.38	406082.47	171.38560
371	0	0	0	0	8713.6625	10591.678	0.0072803
372	0	0	0	0	38158.592	41915.588	0.2189870
373	0	0	0	0	79622.283	82042.441	0.1650674
374	0	0	0	0	284023.12	323645.26	128.22537
375	0	0	0	0	13521.018	10765.220	0.0030558
376	0	0	0	0	27380.283	17392.421	0.0034952
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378	0	0	0	0	21473.884	39103.744	0.0012063
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386	0	0	0	0	20608.231	11398.172	0.0020579
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388	0	0	0	0	14184.677	14559.744	0.0030863
389	0	0	0	0	20603.372	20315.766	0.0032011
390	0	0	0	0	25540.482	31593.429	0.0061128
391	0	0	0	0	41501.742	73381.551	0.0035247
392	0	0	0	0	44028.654	64992.737	0.0015964
393	0	0	0	0	34900.583	18419.645	0.0002649
394	0	0	0	0	27056.613	30691.969	0.0005624
395	0	0	0	0	36384.216	40604.985	0.0004243
396	0	0	0	0	31308.116	0	0.2036155
397	0	0	0	0	261844.87	302679.39	0.0243709
398	0	0	0	0	11271.504	34054.960	0.3515799
399	0	0	0	0	39399.960	55959.655	0.0368847
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401	0	0	0	0	82616.074	105796.29	0.0739570

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403	0	0	0	0	126609.37	170328.25	-0.295470
404	0	0	0	0	207372.04	223823.11	-0.381009
405	0	0	0	0	160615.59	59740.207	-0.512139
406	0	0	0	0	335238.97	323238.91	-0.550697
407	0	0	0	0	321523.30	273788.29	-0.711793
408	0	0	0	0	224131.07	187117.65	-0.045261
409	0	0	0	0	3352588.0	3359343.6	-0.144595
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411	0	0	0	0	22779.799	25057.963	0.0007130
412	0	0	0	0	14424.154	15865.083	0.0012941
413	0	0	0	0	85105.085	107909.66	127.74859
414	0	0	0	0	151563.09	174953.09	0.1299928
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416	0	0	0	0	72992.049	76845.093	0.0593897
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424	0	0	0	0	5192.6608	13145.158	0.0008164
425	0	0	0	0	9469.1402	0	5.4614e-5
426	0	0	0	0	0	24153.817	0.0003299
427	0	0	0	0	953.5047	11933.796	0.0002349
428	0	0	0	0	1083.6818	2360.9823	9.8947e-5
429	0	0	0	0	2741.6075	20106.121	5.7226e-5
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433	0	0	0	0	6151.5049	0	0.0008853
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443	0	0	0	0	20377.342	14284.919	0.0003302

444	0	0	0	0	2232.9111	58345.204	0.0009534
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446	0	0	0	0	17197.306	67778.868	0.0004944
447	0	0	0	0	23607.597	127591.42	0.0033295
448	0	0	0	0	8167029.8	8131608.5	1569.3565
449	0	0	0	0	26600.465	4421.1383	-0.004507
450	0	0	0	0	26234.626	9402.6267	-0.002575
451	0	0	0	0	8467.2715	35840.952	-0.002706
452	0	0	0	0	12122.130	10720.381	0.0014814
453	0	0	0	0	106545.41	153057.52	1246.0510
454	0	0	0	0	15282.297	17814.421	0.0017186
455	0	0	0	0	19185.914	32634.239	0.0016084
456	0	0	0	0	16751.691	37658.180	0.0008866
457	0	0	0	0	28860.504	30944.807	0.0027371
458	0	0	0	0	19441.476	19770.267	0.0091752
459	0	0	0	0	728095.27	686363.57	1059.2395
460	0	0	0	0	27075.679	10016.482	-0.003731
461	0	0	0	0	27647.824	15724.475	-0.012212
462	0	0	0	0	40618.202	16136.010	-0.001650
463	0	0	0	0	13477.159	12012.906	0.0017283
464	0	0	0	0	217411.86	260295.63	775.55470
465	0	0	0	0	200964.94	251972.28	755.00806
466	0	0	0	0	23918.607	28376.783	0.0027910
467	0	0	0	0	727546.54	752996.85	405.20976
468	0	0	0	0	31285.641	30298.429	0.0104624
469	0	0	0	0	1055534.4	1045576.4	739.54196
470	0	0	0	0	848913.01	834912.59	838.69919
471	0	0	0	0	1495584.5	1460724.0	1021.7876
472	0	0	0	0	8876.4265	14888.698	-0.001859
473	0	0	0	0	13969.415	17056.738	0.0040893
474	0	0	0	0	147834.86	178879.04	558.32328
475	0	0	0	0	605521.05	631525.64	514.92161
476	0	0	0	0	6130.9945	7013.0203	0.0078583
477	0	0	0	0	5236.5115	7300.9604	0.0052718
478	0	0	0	0	3398.5364	3738.9536	0.0030802
479	0	0	0	0	455411.04	477077.73	400.33353
480	0	0	0	0	13530.163	13065.224	0.0039151
481	0	0	0	0	22691.200	21594.546	0.0063184
482	0	0	0	0	10464.067	10272.377	0.0050618
483	0	0	0	0	21338.278	33073.088	0.0013406
484	0	0	0	0	33521.374	45606.482	0.0015800
485	0	0	0	0	11408.319	17826.656	-0.008899

486	0	0	0	0	6012.269	7151.3515	-0.007399	
487	0	0	0	0	9924.6151	12270.976	-0.000408	
488	0	0	0	0	9389.8476	9340.4344	-7.87e-11	
489	0	0	0	0	20719.700	24201.889	5.138e-11	
490	0	0	0	0	47337.831	21467.880	0.0037410	
491	0	0	0	0	8949.2332	8873.9453	0.0046873	
492	0	0	0	0	22196.668	21665.102	0.0024243	
493	0	0	0	0	16651.910	16349.492	0.0037303	
494	0	0	0	0	20663.145	20564.597	0.0043067	
495	0	0	0	0	21976.676	22867.760	0.0077018	
496	0	0	0	0	37814.587	47273.995	0.0051213	
497	0	0	0	0	38517.530	42951.446	0.0025368	
498	0	0	0	0	13276.544	13284.626	-4.29e-11	
499	0	0	0	0	18952.395	19921.678	0.0008031	
500	0	0	0	0	28929.437	29140.514	-0.000322	
501	0	0	0	0	42920.703	0	0.3796757	
502	0	0	0	0	387172.60	435032.64	-0.250235	
503	0	0	0	0	98353.391	157905.66	0.6196237	
504	0	0	0	0	140702.96	186352.72	-0.056688	
505	0	0	0	0	95097.959	146685.33	-0.142474	
506	0	0	0	0	199097.56	238788.88	0.0863542	
507	0	0	0	0	518805.51	543510.90	-0.379704	
508	0	0	0	0	241935.42	266556.14	-0.980216	
509	0	0	0	0	336764.75	357558.7	-1.309940	
510	0	0	0	0	784386.94	775394.13	-1.768061	
511	0	0	0	0	585292.48	572867.12	-2.060924	
512	0	0	0	0	1249095.7	1217494.6	-3.032977	
513	0	0	0	0	468800.51	436936.27	-0.586099	
514	0	0	0	0	7890537.7	7861189.6	-1.151276	
515	0	0	0	0	352068.60	0	-4.589e-6	
516	0	0	0	0	20980.486	21022.260	0.0004962	
517	0	0	0	0	14050.524	14513.173	0.0011695	
518	0	0	0	0	180748.96	201418.22	382.06664	
519	0	0	0	0	340542.15	361915.39	0.0023007	
520	0	0	0	0	5502.0090	6314.7134	7.241e-11	
521	0	0	0	0	4100.9103	4788.3973	0.0006259	
522	0	0	0	0	5662.1671	6408.6137	8.685e-11	
523	0	0	0	0	37210.406	37210.406	2.273e-11	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643

528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	411	21477.041921							
-1	19	29702273.480							

Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area
Gradient	0.04629	0.17669	0.22490	0.28683	0.04007	0.05897	0.05774	0.06890	0.07861	0.04802	0.00015	0.01798	Grad
Angle deg	198.17	193.43	204.22	233.37	206.08	201.07	177.18	179.91	138.2	153.61	153.61	252.8	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2
Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3

Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.03869	0.18900	0.20175	0.00029	0.02418	0.22373	0.22612	0.09334	0.04629	0.14172	0.23196	0.07156	Grad
Angle deg	179.91	210.17	145.62	155.84	211.21	147.99	148.85	159.53	58.71	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45044	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	171.5	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area
Gradient	0.44994	0.15209	0.43817	0.16479	0.43630	0.77226	0.04825	0.05685	0.06659	0.19256	0.17665	0.47622	Grad
Angle deg	155.71	312.29	200.84	158.44	199.89	174.43	154.48	222.2	198.59	231.06	283.07	159.73	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.10043	0.21089	0.12440	0.15867	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad
Angle deg	15.02	155.41	217.56	175.4	174.26	84.93	114.27	123.01	203.71	93.88	90.72	184.86	Angle

ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil

Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.28045	1.39041	0.51389	0.72857	0.16791	0.16713	0.26097	0.63741	Grad
Angle deg	158.37	176.09	148.11	164.69	230.04	136.65	169.11	164.83	311.76	307.94	295.5	160.69	Angle
ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.65164	0.64406	0.36379	0.34023	0.24083	0.07146	0.04204	0.19890	0.24844	0.21161	0.20160	0.11945	Grad
Angle deg	168.51	171.36	186.05	182.23	190.95	190.95	221.28	132.77	3.19	183.67	185.98	186.19	Angle
ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.25646	0.24194	0.26506	0.31928	0.29961	0.25886	0.17895	0.04604	0.08717	0.40575	1.69413	1.54347	Grad
Angle deg	151.54	180.53	169.69	165.58	201.47	201.47	128.04	316.79	144.8	164.1	194.03	186.98	Angle
ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.23293	0.64377	0.27409	0.27600	0.27830	0.49355	0.45538	0.37948	0.30147	0.03471	0.37265	0.36282	Grad
Angle deg	355.88	163.9	334.87	292.45	333.56	167.12	155.48	165.48	100.25	120.6	182	182.25	Angle
ELEM	109	110	111	112	[D]	[D]	[D]	116	117	118	119	120	ELEM
Node1	47	47	102	59				73	90	49	52	44	Node1
Node2	58	58	101	101				60	60	102	101	45	Node2
Node3	57	59	52	102				90	89	52	57	43	Node3
Matl	6	6	2	2				2	2	2	2	2	Matl
Soil	1	1	1	1				1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985				44572	90640	113504	73412	264604	Area
Gradient	0.27354	0.31703	0.25722	0.22192				0.56997	0.19985	0.25383	0.06425	0.20718	Grad

Angle deg	63.82	345.04	321.93	312.66				141.16	204.52	323.76	45.36	180.86	Angle
ELEM	[D]	[D]	[D]	124	125	126	127	128	129	130	131	132	ELEM
Node1				77	37	38	38	63	79	48	60	73	Node1
Node2				76	63	79	77	80	64	80	73	74	Node2
Node3				27	80	80	79	79	77	72	61	61	Node3
Matl				3	2	3	3	2	2	3	3	3	Matl
Soil				1	1	1	1	1	1	1	1	1	Soil
Area ft^2				294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient				0.46932	0.38813	0.75141	1.84227	0.38241	0.47211	1.35475	0.17307	0.17300	Grad
Angle deg				167.45	162.41	186.17	140.43	166.92	127.21	190.39	18.53	18.5	Angle
ELEM	133	134	135	136	137	138	139	[D]	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77		71	3	3	20	Node1
Node2	74	78	75	74	78	74	71		78	81	20	82	Node2
Node3	91	62	76	78	76	75	38		77	82	82	83	Node3
Matl	3	3	3	3	3	3	3		3	7	7	7	Matl
Soil	1	1	1	1	1	1	1		1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	Area
Gradient	0.40586	0.23249	0.46707	0.22870	0.97789	0.51065	2.07497		1.66122	0.03802	0.03801	0.00623	Grad
Angle deg	179.09	356.57	187.75	314.32	102.57	142.08	142.38		122.97	91.54	91.6	99.81	Angle
ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM
Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00609	0.00110	0.00114	0.00837	0.00841	0.02900	0.02900	0.03400	0.03400	0.02492	0.02523	0.10676	Grad
Angle deg	87.7	282.7	261.51	268.84	263.53	268.12	267.91	268.21	268.13	262.51	270	270	Angle
ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1
Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2
Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.10507	0.12582	0.12603	0.03163	0.03201	0.07680	0.07646	0.04563	0.04558	0.03461	0.03839	0.05781	Grad
Angle deg	258.36	260.3	261.54	234.14	232.16	255.18	251.34	237.58	239.17	237.82	211.19	215.87	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.05864	1.67441	1.19610	0.39989	0.35927	0.36617	0.11637	0.02532	0.02543	0.11339	0.10294	0.02793	Grad
Angle deg	203.09	195.25	202.52	169.18	180.4	184.45	342.14	267.49	262.66	343.42	323.71	129.28	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.22997	0.18837	0.20433	0.05513	0.40340	0.04696	0.17546	0.22294	0.27476	0.04243	0.05833	0.05742	Grad
Angle deg	309.28	313.85	307.81	117.8	157.8	196.92	193.13	203.95	230.82	202.65	199.35	177.95	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2
Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06792	0.07553	0.05096	0.00140	0.01830	0.03954	0.18293	0.19485	0.00334	0.02578	0.21678	0.22079	Grad
Angle deg	179.6	140.92	154.18	174.76	248.96	180.07	209.8	146.09	174.99	207.33	148.39	149.85	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3
Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.09485	0.03947	0.13202	0.21952	0.06904	0.21276	0.15658	0.18615	0.15206	0.05125	0.08143	0.07623	Grad
Angle deg	161.22	69.47	219.64	177.44	56.32	131.38	200.38	177.32	82.2	343.62	15.14	357.9	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM
Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1

Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10171	0.11175	0.12302	0.12939	0.43433	0.43344	0.08898	0.36086	0.15643	0.36576	0.64694	0.05595	Grad
Angle deg	251.17	252.64	249.64	220.6	171.53	156.08	298.06	197.94	159.35	201.14	174.93	166.49	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.06248	0.07057	0.18490	0.16059	0.40550	0.19188	0.20035	0.09568	0.18908	0.12329	0.14692	0.17170	Grad
Angle deg	211.47	197.59	229.23	276.9	162.52	17.89	156.07	209.45	175.2	174.21	88.23	116.7	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14781	0.02546	0.17728	0.16549	0.35626	0.34899	0.25417	0.21260	0.20703	0.31671	1.20230	0.48387	Grad
Angle deg	124.3	182.79	96.41	94.62	183.52	159.7	176.12	152.69	164.76	159.98	134.52	167.49	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area
Gradient	0.61962	0.12222	0.12688	0.20932	0.53969	0.55712	0.55492	0.33846	0.31164	0.23668	0.06756	0.06308	Grad
Angle deg	165.68	301.49	289.69	287.89	162.46	171.39	172.53	185.55	180.68	186.72	175.99	204.6	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2
Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3

Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.17313	0.20628	0.19012	0.18535	0.11832	0.25077	0.23726	0.25821	0.31045	0.28988	0.26615	0.18667	Grad
Angle deg	142.01	2.08	184.85	186.09	186.33	151.9	180.74	170.46	166.24	198.5	198.23	165.5	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	0.04003	0.17171	0.45691	1.50084	1.34832	0.14280	0.51461	0.21139	0.23546	0.21178	0.40583	0.37810	Grad
Angle deg	299.21	172.51	167.67	194.03	185.74	355.88	165.18	331.5	283.15	331.35	167.9	158.58	Angle

ELEM	289	290	291	292	293	294	295	296	297	[D]	[D]	[D]	ELEM
Node1	161	161	159	203	191	152	152	207	164				Node1
Node2	174	162	158	202	151	163	163	206	206				Node2
Node3	162	205	205	151	190	162	164	157	207				Node3
Matl	12	12	12	12	12	16	16	12	12				Matl
Soil	2	2	2	2	2	2	2	2	2				Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985				Area
Gradient	0.31287	0.22082	0.05090	0.35603	0.34919	0.13789	0.18235	0.17360	0.16068				Grad
Angle deg	170.53	104.76	153.31	183.13	182.36	60.99	339.73	315.17	309.35				Angle

ELEM	301	302	303	304	305	[D]	[D]	[D]	309	310	311	312	ELEM
Node1	178	195	154	157	149				182	142	143	143	Node1
Node2	165	165	207	206	150				181	168	184	182	Node2
Node3	195	194	157	162	148				132	185	185	184	Node3
Matl	12	12	12	12	12				13	12	13	13	Matl
Soil	2	2	2	2	2				2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604				294860	416524.	39625	15670	Area
Gradient	0.45452	0.19112	0.18421	0.02709	0.19008				0.38070	0.42470	0.64204	1.49704	Grad
Angle deg	145.41	203.46	309.9	70	181.29				162.2	169.44	183.52	141.15	Angle

ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil

Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.42321	0.49707	1.12237	0.09107	0.10161	0.34139	0.14253	0.44138	0.14305	0.88675	0.42743	1.80100	Grad
Angle deg	171.9	133.55	190.39	18.53	24.54	179.11	356.57	181.92	311.38	104.82	142.45	143.94	Angle

ELEM	[D]	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1		176	108	108	125	125	138	138	149	149	150	150	Node1
Node2		183	186	125	187	138	188	149	189	150	190	159	Node2
Node3		182	187	187	188	188	189	189	190	190	191	191	Node3
Matl		13	17	17	17	17	17	17	17	17	17	17	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient		1.40508	0.03603	0.03606	0.00627	0.00614	0.00136	0.00138	0.00910	0.00912	0.02856	0.02856	Grad
Angle deg		122.97	93.7	91.58	99.14	88.04	278.85	266.12	269.41	265.25	268.48	267.99	Angle

ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.03351	0.03352	0.03086	0.03162	0.09624	0.09653	0.11720	0.11743	0.03676	0.03674	0.07440	0.07413	Grad
Angle deg	268.29	268.01	262.78	248.18	262.98	254.17	257.01	260.19	237.05	237.17	254.47	250.19	Angle

ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.04675	0.04672	0.03529	0.03782	0.05704	0.05675	1.33811	0.89690	0.34438	0.33820	0.35248	0.07535	Grad
Angle deg	237.5	238.54	236.95	215.75	218.88	212.93	194.51	203.07	178.57	180.95	184.58	332.72	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM
Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area
Gradient	0.02706	0.02722	0.07212	0.06982	0.02602	0.14836	0.15549	0.17251	0.31671	0.31671	0.04875	0.17170	Grad

Angle deg	267.53	261.81	334.25	310.69	72.79	317.7	309.46	302.92	159.98	159.98	193.75	192.31	Angle
ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.21885	0.25439	0.04881	0.05676	0.05646	0.06528	0.06876	0.05718	0.00485	0.01942	0.04161	0.17041	Grad
Angle deg	203.52	225.84	195.48	194.81	180.1	178.74	148.14	155.58	177.45	239.27	180.46	208.89	Angle
ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.18032	0.01091	0.03028	0.20091	0.20811	0.09688	0.03116	0.11633	0.19877	0.06528	0.19266	0.13376	Grad
Angle deg	147.38	176.32	199.72	149.5	152.13	164.82	96.76	214.47	175.42	62.78	130.48	193.34	Angle
ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM
Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16098	0.13876	0.04216	0.06953	0.06396	0.09566	0.10771	0.11970	0.13662	0.40566	0.40417	0.05183	Grad
Angle deg	173.8	83.65	346.14	17.37	353.23	250.09	252.05	248.84	213.23	171.52	156.88	221.19	Angle
ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1
Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2
Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.24666	0.13702	0.25733	0.43939	0.07736	0.07979	0.07988	0.16959	0.13464	0.29560	0.12391	0.18612	Grad
Angle deg	192	161.94	203.54	176.91	182.48	195.62	195.53	224.53	265.62	168.45	26.09	157.32	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.09281	0.15606	0.12210	0.12873	0.15659	0.14257	0.03792	0.16092	0.16097	0.33404	0.32845	0.25373	Grad
Angle deg	195.9	174.8	174.17	95.3	121.34	126.74	164.29	101.4	101.41	181.22	162.16	176.19	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.21981	0.21878	0.39819	0.94154	0.43407	0.47577	0.07275	0.10347	0.14802	0.37786	0.39863	0.40121	Grad
Angle deg	160.21	164.8	158.58	131.9	164.62	167.2	266.26	248.66	268.3	167.75	177.6	174.63	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2
Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.27994	0.25673	0.21881	0.07616	0.09521	0.14499	0.13733	0.15776	0.16030	0.11709	0.24120	0.22973	Grad
Angle deg	184.42	179.06	182.02	164.46	194.66	159.89	359	187.24	186.42	186.7	152.73	181.24	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3
Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.24791	0.29543	0.27524	0.27759	0.26312	0.04047	0.27328	0.50297	1.23240	1.08960	0.04404	0.36239	Grad
Angle deg	171.62	167.37	193.64	193.71	190.17	258.64	182.96	171.49	194.03	184.25	355.88	168.65	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM
Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1

Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.11881	0.18172	0.11461	0.29388	0.27709	0.23467	0.13466	0.08424	0.33292	0.32897	0.01829	0.06237	Grad
Angle deg	317.92	264.89	319.71	170.83	164.47	177.72	120.47	171.71	184.68	182.52	86	308.88	Angle

ELEM	481	482	[D]	[D]	[D]	486	487	488	489	490	[D]	[D]	ELEM
Node1	312	269				283	300	259	262	254			Node1
Node2	311	311				270	270	312	311	255			Node2
Node3	262	312				300	299	262	267	253			Node3
Matl	22	22				22	22	22	22	22			Matl
Soil	2	2				2	2	2	2	2			Soil
Area ft^2	58460	56985				44572	90640	113504	73412	264604			Area
Gradient	0.08286	0.07965				0.31833	0.17209	0.11287	0.01892	0.16362			Grad
Angle deg	295.94	288.65				152.89	200.38	283.88	189.82	182.34			Angle

ELEM	[D]	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1		287	247	248	248	273	289	258	270	283	283	284	Node1
Node2		286	273	289	287	290	274	290	283	284	284	288	Node2
Node3		237	290	290	289	289	287	282	271	271	301	272	Node3
Matl		23	22	23	23	22	22	23	23	23	23	23	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient		0.29140	0.46396	0.53696	1.11786	0.46399	0.51169	0.84722	0.00524	0.03060	0.26930	0.04396	Grad
Angle deg		153.11	176.47	180.63	143.42	176.66	141.66	190.39	18.53	58.19	179.63	356.57	Angle

ELEM	505	506	507	508	509	[D]	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287		281	213	213	230	230	243	Node1
Node2	285	284	288	284	281		288	291	230	292	243	293	Node2
Node3	286	288	286	285	248		287	292	292	293	293	294	Node3
Matl	23	23	23	23	23		23	27	27	27	27	27	Matl
Soil	2	2	2	2	2		2	2	2	2	2	2	Soil
Area ft^2	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	7315	3675	Area
Gradient	0.39931	0.05909	0.73885	0.32581	1.43331		1.06810	0.03111	0.03114	0.00626	0.00616	0.00211	Grad
Angle deg	174.89	287.7	108.49	145.19	146.52		122.97	93.71	91.55	97.74	87.76	276.51	Angle

ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2
Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3

Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.00213	0.01081	0.01083	0.02782	0.02782	0.03358	0.03360	0.04054	0.04082	0.07898	0.07934	0.09806	Grad
Angle deg	268.08	269.62	265.98	268.43	267.97	268.32	267.75	262.96	253.9	261.76	253.93	257.06	Angle

ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.09811	0.04718	0.04732	0.06951	0.06940	0.04913	0.04915	0.03690	0.03926	0.05430	0.05400	0.96490	Grad
Angle deg	258.48	245.48	244.15	252.73	248.88	239.42	238.58	236.96	216.86	219.12	212.97	193.52	Angle

ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area
Gradient	0.59124	0.29904	0.31276	0.33238	0.03430	0.03160	0.03184	0.03257	0.04594	0.00993	0.06179	0.09528	Grad
Angle deg	203.88	190.53	182.16	184.93	280.82	267.6	261.03	279.63	261.78	179.33	302.21	291.57	Angle

ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.11332	0.39819	0.39819	0.05150	0.16605	0.21231	0.22852	0.05879	0.05449	0.05451	0.06119	0.06155	Grad
Angle deg	285.79	158.58	158.58	189.26	190.98	202.76	217.23	188.09	187.89	184.02	176.82	158.8	Angle

ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil

Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.06303	0.01007	0.02171	0.04412	0.15325	0.16052	0.02077	0.03707	0.17853	0.19056	0.09938	0.03521	Grad
Angle deg	157.58	179.33	226.82	180.94	207.48	149.44	176.71	193	151.46	155.86	169.87	141.69	Angle
ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09695	0.17089	0.06125	0.16417	0.10676	0.12791	0.11995	0.02869	0.05206	0.04686	0.08677	0.10165	Grad
Angle deg	205.18	171.96	72.83	128.91	179.6	166.72	86.64	351.97	22.46	342.46	247.92	250.82	Angle
ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11429	0.14992	0.36335	0.36119	0.10475	0.14569	0.11411	0.15371	0.22957	0.10014	0.09930	0.09062	Grad
Angle deg	247.45	204.08	171.51	158.16	179.47	180.98	166.38	205.15	182.26	190.85	187.3	193.37	Angle
ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.15081	0.11039	0.18504	0.05690	0.16655	0.09619	0.12117	0.12114	0.10855	0.13787	0.13431	0.05755	Grad
Angle deg	217.33	247.98	180.88	57.4	159.14	181.55	174.31	174.32	108.53	129.02	130.88	154.43	Angle
ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM
Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area
Gradient	0.14143	0.15689	0.30521	0.30171	0.25202	0.23279	0.23248	0.41424	0.39301	0.37466	0.35606	0.08293	Grad

Angle deg	110.05	111.04	178	165.8	176.31	168.88	165.3	159.01	140.43	162.23	169.26	209.96	Angle
ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.12163	0.11629	0.21822	0.23731	0.23666	0.20879	0.19122	0.19311	0.09435	0.12477	0.13277	0.06000	Grad
Angle deg	211.84	231.99	179.99	188.67	179.7	183.48	177.82	177.67	162.9	190.51	182.61	347.44	Angle
ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.12402	0.13295	0.11616	0.22693	0.21873	0.23394	0.27426	0.25752	0.28695	0.29626	0.16255	0.30599	Grad
Angle deg	191.06	187.2	187.42	154.36	182.01	173.06	168.92	187.22	188.71	190.98	185.42	184.36	Angle
ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM
Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.46358	0.39093	0.40429	0.22161	0.31795	0.05967	0.14074	0.08095	0.26114	0.22673	0.21822	0.14420	Grad
Angle deg	174.44	166.33	172.95	163.17	172.01	251.17	235.26	258.52	180.19	168.5	171.45	126.35	Angle
ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1
Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2
Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.11574	0.31102	0.30457	0.04351	0.04747	0.04345	0.04951	0.17293	0.15176	0.15256	0.29416	0.23025	Grad
Angle deg	176.66	185.01	182.89	228.76	239.61	279.83	246.03	187.67	172.48	172.12	165.13	184.05	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.06962	0.02311	0.13481	0.23361	0.28211	0.24282	0.25799	0.43479	0.32032	0.43884	0.43466	0.44800	Grad
Angle deg	270.33	246.44	184.17	163.83	153.93	171.84	150.18	179.23	168.93	152.62	178.98	152.46	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.30655	0.16593	0.16626	0.26846	0.24455	0.34706	0.24713	0.38685	0.28560	0.42823	0.27762	0.37645	Grad
Angle deg	175.8	174.39	174.72	178.6	152.32	170.34	162.72	139.68	159.48	152.5	155.36	146.24	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2
Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.02350	0.02352	0.00587	0.00580	0.00355	0.00357	0.01321	0.01322	0.02773	0.02773	0.03726	0.03730	Grad
Angle deg	93.72	91.49	96.01	87.22	274.53	269.64	269.9	266.6	268.37	267.85	268.4	267.33	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.04459	0.04468	0.05896	0.05926	0.07269	0.07271	0.05963	0.05972	0.06457	0.06460	0.05195	0.05198	Grad
Angle deg	262.7	256.89	260.1	253.98	257	255.31	251.99	248.86	250.51	247.27	241.29	238.6	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM
Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1

Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.03912	0.04125	0.04975	0.04944	0.43277	0.30669	0.28807	0.29914	0.30897	0.04761	0.03711	0.03736	Grad
Angle deg	237	218.37	219.5	212.97	188.29	192.6	190.92	183.48	186.05	230.66	267.32	261.28	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.04707	0.04339	0.03733	0.04095	0.05916	0.07286	0.41424	0.41424	0.05693	0.15452	0.19668	0.19574	Grad
Angle deg	228.6	228.65	227.17	244.74	259.58	259.36	159.01	159.01	180.78	187.73	200.47	197.39	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.07600	0.05432	0.05309	0.05248	0.05255	0.06408	0.01893	0.02607	0.04578	0.12395	0.12750	0.03327	Grad
Angle deg	178.88	174.07	186.53	176.8	177.37	162.32	184.44	210.67	181.56	204.85	153.49	177.32	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area
Gradient	0.04779	0.13962	0.15849	0.10356	0.06364	0.07627	0.12933	0.05708	0.11523	0.08123	0.08445	0.08846	Grad
Angle deg	188.58	156.54	163.39	176.28	171.67	183.45	164.64	91.36	125.16	146.56	145.55	97.48	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2
Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3

Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00647	0.02176	0.02563	0.07053	0.08943	0.10088	0.17711	0.28464	0.28227	0.11479	0.07827	0.08120	Grad
Angle deg	66.03	55.07	288.72	240.32	246.3	243.46	191.63	171.17	160.92	177.8	174.48	176.56	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.07975	0.08631	0.10313	0.10180	0.09754	0.12361	0.08693	0.10314	0.05353	0.13347	0.10403	0.10383	Grad
Angle deg	201.83	196.25	192.79	188.14	190.89	205.56	223.72	200.95	139.69	162.6	174.69	174.74	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area
Gradient	0.11956	0.09361	0.11411	0.11705	0.08657	0.12012	0.15049	0.25922	0.25859	0.23902	0.24018	0.23620	Grad
Angle deg	175.05	136.29	144.24	141.27	151.69	128.35	126.66	173.54	171.36	176.45	176.84	169.21	Angle

ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.35444	0.20540	0.29157	0.27606	0.10767	0.11806	0.10854	0.10108	0.10475	0.10018	0.10823	0.10994	Grad
Angle deg	163.05	161.07	164.18	171.49	193.09	195.19	194.99	199.73	201.76	190.8	187.65	188.43	Angle

ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil

Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.13244	0.11964	0.13593	0.13079	0.02486	0.10716	0.11486	0.11494	0.19633	0.19428	0.20554	0.23615	Grad
Angle deg	183.8	183.03	188.97	195.56	228.59	192.88	188.79	188.79	158.93	183.2	175.08	171.1	Angle
ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.22802	0.27377	0.28467	0.20911	0.28862	0.36529	0.23614	0.23109	0.24118	0.34729	0.10449	0.11214	Grad
Angle deg	179.13	183.01	186.36	181.9	183.95	177.92	173.48	169.71	173.24	170.94	195.45	197.57	Angle
ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.10387	0.11038	0.12224	0.12704	0.12025	0.13467	0.26976	0.26083	0.10411	0.08834	0.12794	0.10951	Grad
Angle deg	192.17	190.24	194.69	186.9	185.32	187.65	183.61	183.53	176.37	200.08	195.96	197.82	Angle
ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.20913	0.18692	0.16771	0.32808	0.27720	0.12753	0.13170	0.11597	0.22074	0.22281	0.21569	0.22515	Grad
Angle deg	181.9	162.58	168.4	165.87	177.73	195.65	192.15	186.37	173	172.19	169.06	157.23	Angle
ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM
Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area
Gradient	0.34950	0.24718	0.22966	0.34971	0.34703	0.22403	0.20165	0.21107	0.26770	0.24527	0.27198	0.25093	Grad

Angle deg	181	170.93	177.11	181.34	165.56	169.89	173.85	180.4	181.34	169.34	172.17	173.56	Angle
ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.27051	0.27062	0.23502	0.22692	0.20681	0.01311	0.01312	0.00422	0.00419	0.00626	0.00627	0.01577	Grad
Angle deg	165.74	170.8	176.64	168.75	174.82	93.72	91.38	94.31	85.43	273.05	271.07	270.42	Angle
ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.01578	0.02663	0.02663	0.03429	0.03432	0.04489	0.04492	0.05117	0.05134	0.05802	0.05811	0.05878	Grad
Angle deg	267.23	268.35	268	268.44	267.42	262.88	258.03	259.51	254.97	256.73	253.26	253.45	Angle
ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM
Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.05882	0.06060	0.06071	0.05403	0.05401	0.04084	0.04265	0.04271	0.04239	0.32281	0.27798	0.27355	Grad
Angle deg	249.52	250.14	245.89	242.68	238.69	237.16	220.11	220.11	212.97	185.42	186.63	186.09	Angle
ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1
Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2
Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.27601	0.26461	0.10948	0.03917	0.03939	0.10949	0.11587	0.12665	0.11719	0.11132	0.11280	0.35444	Grad
Angle deg	184.51	186.57	197.39	267.74	261.88	197.38	199.23	191.8	202.76	195.18	196.64	163.05	Angle

ELEM	925
Node1	484
Node2	447
Node3	523
Matl	42
Soil	2
Area ft^2	377244
Gradient	0.35444
Angle deg	163.05

ELEM
Node1
Node2
Node3
Matl
Soil
Area
Grad
Angle

AttachmentTwo Model Results, Expected Case

Model Parameters and Output

Pre-Mining Condition

Domain and analysis parameters

Number of nodes..... 538
Number of elements..... 925
Number of materials..... 48
Number of soils..... 2
Number of connections.... 408
Number of injections..... 0
Number of particles..... 0

Length unit..... feet
Time unit..... year

Analysis time..... 0 year

Tolerance..... 0.0001 feet
Relaxation..... 1
Max head change/cycle.... 100 feet
Timestep size..... N/A
Substeps/timestep..... 1
Max cycles/timestep..... 10000000
Analysis type..... Steady State
Aquifer type..... Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode..... OFF

Number of traces..... 0
Timestep size..... 1 year
Substeps/timestep..... 20

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Material data

Mat'l #	--Hydraulic Conductivity-- (major)	(minor)	(z)	Major Angle	Specific Storage	Storage Coeff	Effect. Porosity	--Dispersivity--- Long	T'verse	Retard'n	Label

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/N
7	100	100	100	0	1.000e-1	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	West Lime
9	400	400	400	0	1.000e-1	0	0	0	0	0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
17	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
27	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
37	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
39	2	2	1	0	1.000e-7	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/N
47	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	West Lime

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Soil data

Soil #	Spec. Dist. Inflow [L^3/T]	Label	Soil #	Spec. Dist. Inflow [L^3/T]	Label
1	0.125	1.5"/yr	2	0	Lower layers

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Connection data

Conn #	Node 1	Node 2	Sat Cond [L^2/T]	Cur Cond [L^2/T]	Tr. Delay [LT]	Flow 1->2 [L^3/T]	Type
1	1	106	6359.3477	6359.3477	0	-11975.55	Lay
2	2	107	8962.0873	8962.0873	0	-73592.76	Lay
3	3	108	9690.085	9690.085	0	-60244.89	Lay
4	4	109	8263.0705	8263.0705	0	44792.248	Lay
5	5	110	6948.2722	6948.2722	0	-39875.65	Lay
6	6	111	5989.5172	5989.5172	0	107346.39	Lay
7	7	112	8094.6394	8094.6394	0	28606.264	Lay
8	8	113	8535.0183	8535.0183	0	-20954.57	Lay
9	9	114	11906.862	11906.862	0	53539.023	Lay
10	10	115	10208.722	10208.722	0	-24620.75	Lay
11	11	116	15234.723	15234.723	0	-23228.52	Lay
12	12	117	10733.260	10733.260	0	-53643.33	Lay
13	13	118	9791.2435	9791.2435	0	-13687.56	Lay
14	14	119	12400.837	12400.837	0	-37426.59	Lay
15	15	120	15235.877	15235.877	0	-33387.07	Lay
16	16	121	8931.4830	8931.4830	0	-15913.64	Lay

17	17	122	13649.645	13649.645	0	-29808.58	Lay
18	18	123	15757.232	15757.232	0	-86287.68	Lay
19	19	124	9769.3526	9769.3526	0	26782.552	Lay
20	20	125	12722.076	12722.076	0	88373.333	Lay
21	21	126	7804.1872	7804.1872	0	-121707.2	Lay
22	22	127	13660.068	13660.068	0	19863.999	Lay
23	23	128	9932.6022	9932.6022	0	-72044.61	Lay
24	24	129	13069.777	13069.777	0	175399.72	Lay
25	25	130	15057.307	15057.307	0	208276.57	Lay
26	26	131	26166.263	26166.263	0	114532.18	Lay
27	27	132	16108.606	16108.606	0	412226.82	Lay
28	28	133	37627.169	37627.169	0	-105611.2	Lay
29	29	134	16719.123	16719.123	0	-54508.49	Lay
30	30	135	15834.994	15834.994	0	-57441.49	Lay
31	31	136	14717.212	14717.212	0	162257.79	Lay
32	32	137	3990.245	3990.245	0	-83027.56	Lay
33	33	138	7953.1377	7953.1377	0	49278.747	Lay
34	34	139	5953.6444	5953.6444	0	-2252.506	Lay
35	35	140	6290.0011	6290.0011	0	35305.160	Lay
36	36	141	5548.2627	5548.2627	0	88748.262	Lay
37	37	142	3811.1811	3811.1811	0	-20191.72	Lay
38	38	143	312.51666	312.51666	0	5699.3757	Lay
39	39	144	11442.997	11442.997	0	-60934.92	Lay
40	40	145	13561.634	13561.634	0	-122156.1	Lay
41	41	146	8270.0543	8270.0543	0	-142162.2	Lay
42	42	147	15797.010	15797.010	0	-195938.5	Lay
43	43	148	5053.5188	5053.5188	0	-69095.30	Lay
44	44	149	5250.6338	5250.6338	0	37805.619	Lay
45	45	150	5547.485	5547.485	0	-29494.91	Lay
46	46	151	2718.5961	2718.5961	0	17324.755	Lay
47	47	152	2809.4277	2809.4277	0	-6740.936	Lay
48	48	153	579.15222	579.15222	0	0	Lay
49	49	154	4944.7822	4944.7822	0	-41523.56	Lay
50	50	155	5452.4338	5452.4338	0	-28706.14	Lay
51	51	156	6224.5738	6224.5738	0	-51235.71	Lay
52	52	157	1378.4066	1378.4066	0	31477.072	Lay
53	53	158	3087.9861	3087.9861	0	69308.531	Lay
54	54	159	3592.2883	3592.2883	0	-11208.34	Lay
55	55	160	3504.2966	3504.2966	0	515.39221	Lay
56	56	161	450.90333	450.90333	0	5600.3379	Lay
57	57	162	693.705	693.705	0	15711.306	Lay
58	58	163	277.60388	277.60388	0	5063.6183	Lay

59	59	164	2363.0122	2363.0122	0	6953.4176	Lay
60	60	165	330.00222	330.00222	0	0	Lay
61	61	166	452.5	452.5	0	0	Lay
62	62	167	147.43333	147.43333	0	0	Lay
63	63	168	3254.6366	3254.6366	0	47046.764	Lay
64	64	169	2605.9122	2605.9122	0	63606.958	Lay
65	65	170	2294.6788	2294.6788	0	48329.592	Lay
66	66	171	640.92777	640.92777	0	13520.466	Lay
67	67	172	1882.825	1882.825	0	39288.939	Lay
68	68	173	1275.3644	1275.3644	0	24624.787	Lay
69	69	174	4035.3672	4035.3672	0	32697.532	Lay
70	70	175	40362.635	40362.635	0	-101060.2	Lay
71	71	176	194.19444	194.19444	0	0	Lay
72	72	177	327.67555	327.67555	0	0	Lay
73	73	178	703.51555	703.51555	0	11149.420	Lay
74	74	179	849.72222	849.72222	0	11815.001	Lay
75	75	180	1048.1966	1048.1966	0	14892.344	Lay
76	76	181	3006.1388	3006.1388	0	52900.918	Lay
77	77	182	1504.9438	1504.9438	0	77623.867	Lay
78	78	183	666.92222	666.92222	0	0	Lay
79	79	184	663.17222	663.17222	0	17940.871	Lay
80	80	185	1392.4583	1392.4583	0	34838.209	Lay
81	81	186	6512.5994	6512.5994	0	-40958.28	Lay
82	82	187	13193.374	13193.374	0	91444.329	Lay
83	83	188	9771.5488	9771.5488	0	60519.276	Lay
84	84	189	6649.855	6649.855	0	48236.823	Lay
85	85	190	5898.6622	5898.6622	0	-31538.05	Lay
86	86	191	4080.2427	4080.2427	0	-12784.80	Lay
87	87	192	2846.5861	2846.5861	0	-7001.206	Lay
88	88	193	2602.79	2602.79	0	7340.6045	Lay
89	89	194	2722.9333	2722.9333	0	-286.0510	Lay
90	90	195	4363.9822	4363.9822	0	-37500.84	Lay
91	91	196	5075.7877	5075.7877	0	-27527.10	Lay
92	92	197	8738.5933	8738.5933	0	-73559.59	Lay
93	93	198	14545.261	14545.261	0	-78485.19	Lay
94	94	199	29462.452	29462.452	0	28740.089	Lay
95	95	200	28781.351	28781.351	0	-78696.65	Lay
96	96	201	680.99111	680.99111	0	18552.711	Lay
97	97	202	625.01722	625.01722	0	2671.2125	Lay
98	98	203	2465.8861	2465.8861	0	4761.2731	Lay
99	99	204	2358.9944	2358.9944	0	4513.2280	Lay
100	100	205	570.03277	570.03277	0	5072.9894	Lay

101	101	206	298.74166	298.74166	0	9067.1136	Lay
102	102	207	387.57333	387.57333	0	6228.7467	Lay
103	106	211	2120.445	2120.445	0	-11691.42	Lay
104	107	212	2989.7894	2989.7894	0	-64607.62	Lay
105	108	213	4845.0425	4845.0425	0	-53158.73	Lay
106	109	214	4131.5352	4131.5352	0	36970.725	Lay
107	110	215	3474.1361	3474.1361	0	-34602.18	Lay
108	111	216	2994.7586	2994.7586	0	92148.313	Lay
109	112	217	4047.3197	4047.3197	0	26001.255	Lay
110	113	218	4267.5091	4267.5091	0	-16079.83	Lay
111	114	219	5953.4313	5953.4313	0	47875.580	Lay
112	115	220	5104.3611	5104.3611	0	-21771.66	Lay
113	116	221	7617.3616	7617.3616	0	-20689.58	Lay
114	117	222	3579.8844	3579.8844	0	-47458.56	Lay
115	118	223	3264.7677	3264.7677	0	-12825.33	Lay
116	119	224	4137.3933	4137.3933	0	-32340.85	Lay
117	120	225	5080.2127	5080.2127	0	-30546.52	Lay
118	121	226	2978.0913	2978.0913	0	-15266.17	Lay
119	122	227	4553.0319	4553.0319	0	-28166.69	Lay
120	123	228	5256.4722	5256.4722	0	-75554.39	Lay
121	124	229	4403.5119	4403.5119	0	21245.144	Lay
122	125	230	6361.0380	6361.0380	0	76661.949	Lay
123	126	231	3902.0936	3902.0936	0	-102245.9	Lay
124	127	232	6830.0344	6830.0344	0	17694.002	Lay
125	128	233	4966.3011	4966.3011	0	-58197.51	Lay
126	129	234	6534.8886	6534.8886	0	157125.67	Lay
127	130	235	7528.6538	7528.6538	0	187175.57	Lay
128	131	236	13083.131	13083.131	0	107419.65	Lay
129	132	237	8054.3030	8054.3030	0	358099.56	Lay
130	133	238	12560.904	12560.904	0	-42491.70	Lay
131	134	239	5574.7827	5574.7827	0	-51123.63	Lay
132	135	240	5281.2102	5281.2102	0	-51753.84	Lay
133	136	241	6347.0280	6347.0280	0	130574.69	Lay
134	137	242	1995.1225	1995.1225	0	-61015.82	Lay
135	138	243	3976.5688	3976.5688	0	43615.769	Lay
136	139	244	2976.8222	2976.8222	0	-2089.452	Lay
137	140	245	3145.0005	3145.0005	0	31744.800	Lay
138	141	246	2774.1313	2774.1313	0	75760.377	Lay
139	142	247	1905.5905	1905.5905	0	-13621.75	Lay
140	143	248	156.25833	156.25833	0	3905.3450	Lay
141	144	249	5721.4988	5721.4988	0	-52688.09	Lay
142	145	250	4522.5769	4522.5769	0	-100205.3	Lay

143	146	251	2758.6569	2758.6569	0	-109704.9	Lay
144	147	252	5270.5508	5270.5508	0	-161505.4	Lay
145	148	253	2526.7594	2526.7594	0	-50669.30	Lay
146	149	254	2625.3169	2625.3169	0	30987.589	Lay
147	150	255	2773.7425	2773.7425	0	-21984.57	Lay
148	151	256	1359.2980	1359.2980	0	14076.953	Lay
149	152	257	1404.7138	1404.7138	0	-1799.484	Lay
150	153	258	289.57611	289.57611	0	0	Lay
151	154	259	2472.3911	2472.3911	0	-33868.54	Lay
152	155	260	2726.2169	2726.2169	0	-24751.94	Lay
153	156	261	3112.2869	3112.2869	0	-42206.77	Lay
154	157	262	689.20333	689.20333	0	21515.308	Lay
155	158	263	1543.9930	1543.9930	0	48682.619	Lay
156	159	264	1796.1441	1796.1441	0	-7858.784	Lay
157	160	265	1752.1483	1752.1483	0	-229.2016	Lay
158	161	266	225.45166	225.45166	0	5039.3759	Lay
159	162	267	346.8525	346.8525	0	11429.583	Lay
160	163	268	138.80194	138.80194	0	3061.1405	Lay
161	164	269	1181.5061	1181.5061	0	4670.9437	Lay
162	165	270	165.00111	165.00111	0	0	Lay
163	166	271	226.25	226.25	0	0	Lay
164	167	272	73.716666	73.716666	0	0	Lay
165	168	273	1627.3183	1627.3183	0	41441.361	Lay
166	169	274	1302.9561	1302.9561	0	54026.644	Lay
167	170	275	1147.3394	1147.3394	0	35045.109	Lay
168	171	276	320.46388	320.46388	0	8985.5787	Lay
169	172	277	941.4125	941.4125	0	26077.092	Lay
170	173	278	637.68222	637.68222	0	14107.491	Lay
171	174	279	2017.6836	2017.6836	0	23688.642	Lay
172	175	280	13467.500	13467.500	0	-89389.64	Lay
173	176	281	97.097222	97.097222	0	0	Lay
174	177	282	163.83777	163.83777	0	0	Lay
175	178	283	351.75777	351.75777	0	5040.0006	Lay
176	179	284	424.86111	424.86111	0	5555.5243	Lay
177	180	285	524.09833	524.09833	0	8277.8056	Lay
178	181	286	1503.0694	1503.0694	0	43558.096	Lay
179	182	287	752.47194	752.47194	0	49774.309	Lay
180	183	288	333.46111	333.46111	0	0	Lay
181	184	289	331.58611	331.58611	0	10957.144	Lay
182	185	290	696.22916	696.22916	0	19199.139	Lay
183	186	291	3256.2997	3256.2997	0	-35697.48	Lay
184	187	292	6596.6872	6596.6872	0	79533.072	Lay

185	188	293	4885.7744	4885.7744	0	53594.476	Lay
186	189	294	3324.9275	3324.9275	0	39261.854	Lay
187	190	295	2949.3311	2949.3311	0	-23368.15	Lay
188	191	296	2040.1213	2040.1213	0	-8932.085	Lay
189	192	297	1423.2930	1423.2930	0	-1837.979	Lay
190	193	298	1301.395	1301.395	0	5139.8766	Lay
191	194	299	1361.4666	1361.4666	0	-118.1584	Lay
192	195	300	2181.9911	2181.9911	0	-29858.73	Lay
193	196	301	2537.8938	2537.8938	0	-23037.17	Lay
194	197	302	4369.2966	4369.2966	0	-59272.77	Lay
195	198	303	7272.6305	7272.6305	0	-67005.73	Lay
196	199	304	9851.1705	9851.1705	0	-32860.23	Lay
197	200	305	9605.8711	9605.8711	0	-75152.03	Lay
198	201	306	340.49555	340.49555	0	9158.1631	Lay
199	202	307	312.50861	312.50861	0	1936.1483	Lay
200	203	308	1232.9430	1232.9430	0	2966.2270	Lay
201	204	309	1179.4972	1179.4972	0	2835.6941	Lay
202	205	310	285.01638	285.01638	0	3877.1531	Lay
203	206	311	149.37083	149.37083	0	6177.4089	Lay
204	207	312	193.78666	193.78666	0	4379.5041	Lay
205	211	316	1060.2225	1060.2225	0	-10485.49	Lay
206	212	317	1494.8947	1494.8947	0	-48198.40	Lay
207	213	318	2422.5212	2422.5212	0	-40683.70	Lay
208	214	319	2065.7676	2065.7676	0	24190.299	Lay
209	215	320	1737.0680	1737.0680	0	-25224.88	Lay
210	216	321	1497.3793	1497.3793	0	65706.810	Lay
211	217	322	2023.6598	2023.6598	0	20907.769	Lay
212	218	323	2133.7545	2133.7545	0	-8340.075	Lay
213	219	324	2976.7156	2976.7156	0	37147.511	Lay
214	220	325	2552.1805	2552.1805	0	-16448.29	Lay
215	221	326	3808.6808	3808.6808	0	-15805.67	Lay
216	222	327	1789.9422	1789.9422	0	-35931.19	Lay
217	223	328	1632.3838	1632.3838	0	-10822.04	Lay
218	224	329	2068.6966	2068.6966	0	-27301.26	Lay
219	225	330	2540.1063	2540.1063	0	-24687.85	Lay
220	226	331	1489.0456	1489.0456	0	-13412.63	Lay
221	227	332	2276.5159	2276.5159	0	-24029.75	Lay
222	228	333	2628.2361	2628.2361	0	-56292.09	Lay
223	229	334	2201.7559	2201.7559	0	12835.946	Lay
224	230	335	3180.5190	3180.5190	0	56834.834	Lay
225	231	336	1951.0468	1951.0468	0	-69694.35	Lay
226	232	337	3415.0172	3415.0172	0	13773.135	Lay

227	233	338	2483.1505	2483.1505	0	-36035.90	Lay
228	234	339	3267.4443	3267.4443	0	121831.38	Lay
229	235	340	3764.3269	3764.3269	0	145755.10	Lay
230	236	341	6541.5659	6541.5659	0	90619.022	Lay
231	237	342	4027.1515	4027.1515	0	260949.42	Lay
232	238	343	6280.4523	6280.4523	0	-38696.10	Lay
233	239	344	2787.3913	2787.3913	0	-42469.65	Lay
234	240	345	2640.6051	2640.6051	0	-40569.83	Lay
235	241	346	3173.5140	3173.5140	0	82701.538	Lay
236	242	347	997.56125	997.56125	0	-31140.01	Lay
237	243	348	1988.2844	1988.2844	0	33715.260	Lay
238	244	349	1488.4111	1488.4111	0	-1559.342	Lay
239	245	350	1572.5002	1572.5002	0	24614.989	Lay
240	246	351	1387.0656	1387.0656	0	53637.347	Lay
241	247	352	952.79527	952.79527	0	-6201.233	Lay
242	248	353	78.129166	78.129166	0	-1715.921	Lay
243	249	354	2860.7494	2860.7494	0	-37677.90	Lay
244	250	355	2261.2884	2261.2884	0	-67200.25	Lay
245	251	356	1379.3284	1379.3284	0	-64596.59	Lay
246	252	357	2635.2754	2635.2754	0	-107259.8	Lay
247	253	358	1263.3797	1263.3797	0	-26223.85	Lay
248	254	359	1312.6584	1312.6584	0	20986.450	Lay
249	255	360	1386.8712	1386.8712	0	-11389.57	Lay
250	256	361	679.64902	679.64902	0	9157.9234	Lay
251	257	362	777.67973	777.67973	0	2705.1067	Lay
252	258	363	233.09697	233.09697	0	-15108.69	Lay
253	259	364	1340.5410	1340.5410	0	-24879.11	Lay
254	260	365	1363.1084	1363.1084	0	-18487.06	Lay
255	261	366	1556.1434	1556.1434	0	-27997.03	Lay
256	262	367	458.41092	458.41092	0	5203.3487	Lay
257	263	368	771.99652	771.99652	0	22655.692	Lay
258	264	369	919.60253	919.60253	0	-3691.697	Lay
259	265	370	940.22866	940.22866	0	-1161.925	Lay
260	266	371	112.72583	112.72583	0	2674.4988	Lay
261	267	372	255.27044	255.27044	0	5054.1189	Lay
262	268	373	118.46965	118.46965	0	1961.4613	Lay
263	269	374	672.58390	672.58390	0	2778.3846	Lay
264	270	375	127.67854	127.67854	0	-3818.708	Lay
265	271	376	175.31314	175.31314	0	-10730.26	Lay
266	272	377	57.922789	57.922789	0	-4159.120	Lay
267	273	378	813.65916	813.65916	0	29798.588	Lay
268	274	379	651.47805	651.47805	0	36156.345	Lay

269	275	380	573.66972	573.66972	0	16802.514	Lay
270	276	381	160.23194	160.23194	0	3665.6165	Lay
271	277	382	470.70625	470.70625	0	10033.376	Lay
272	278	383	318.84111	318.84111	0	3327.3243	Lay
273	279	384	1008.8418	1008.8418	0	10175.659	Lay
274	280	385	6733.7502	6733.7502	0	-67799.84	Lay
275	281	386	61.832606	61.832606	0	-8525.786	Lay
276	282	387	124.52431	124.52431	0	-15118.63	Lay
277	283	388	175.87888	175.87888	0	-1662.405	Lay
278	284	389	212.43055	212.43055	0	-3080.478	Lay
279	285	390	262.04916	262.04916	0	1733.1919	Lay
280	286	391	751.53472	751.53472	0	21861.057	Lay
281	287	392	376.23597	376.23597	0	15662.557	Lay
282	288	393	175.95042	175.95042	0	-15016.37	Lay
283	289	394	165.79305	165.79305	0	963.07371	Lay
284	290	395	348.11458	348.11458	0	-3167.556	Lay
285	291	396	1628.1498	1628.1498	0	-27319.01	Lay
286	292	397	3298.3436	3298.3436	0	58963.735	Lay
287	293	398	2442.8872	2442.8872	0	41425.340	Lay
288	294	399	1662.4637	1662.4637	0	26586.079	Lay
289	295	400	1474.6655	1474.6655	0	-12105.24	Lay
290	296	401	1020.0606	1020.0606	0	-4098.463	Lay
291	297	402	711.64652	711.64652	0	2473.5827	Lay
292	298	403	677.41259	677.41259	0	2803.1561	Lay
293	299	404	733.96460	733.96460	0	-869.6332	Lay
294	300	405	1090.9955	1090.9955	0	-20224.97	Lay
295	301	406	1268.9469	1268.9469	0	-17209.30	Lay
296	302	407	2184.6483	2184.6483	0	-39315.25	Lay
297	303	408	3636.3152	3636.3152	0	-47907.27	Lay
298	304	409	4925.5852	4925.5852	0	-30302.53	Lay
299	305	410	4802.9355	4802.9355	0	-63449.23	Lay
300	306	411	170.24777	170.24777	0	-552.5560	Lay
301	307	412	156.25430	156.25430	0	928.43483	Lay
302	308	413	616.47152	616.47152	0	2265.6047	Lay
303	309	414	632.11204	632.11204	0	2327.0703	Lay
304	310	415	198.66196	198.66196	0	2165.3846	Lay
305	311	416	149.37083	149.37083	0	3769.2987	Lay
306	312	417	193.78666	193.78666	0	2467.4125	Lay
307	316	421	219.35637	219.35637	0	-6383.343	Lay
308	317	422	309.28856	309.28856	0	-19884.63	Lay
309	318	423	894.05110	894.05110	0	-23706.50	Lay
310	319	424	427.40020	427.40020	0	6383.3798	Lay

311	320	425	359.39339	359.39339	0	-9778.445	Lay
312	321	426	309.80261	309.80261	0	23864.874	Lay
313	322	427	418.68824	418.68824	0	10844.544	Lay
314	323	428	441.46646	441.46646	0	1258.2246	Lay
315	324	429	615.87221	615.87221	0	17333.636	Lay
316	325	430	528.03735	528.03735	0	-6956.487	Lay
317	326	431	788.00293	788.00293	0	-6764.500	Lay
318	327	432	370.33287	370.33287	0	-15404.88	Lay
319	328	433	337.73459	337.73459	0	-5937.037	Lay
320	329	434	748.86968	748.86968	0	-17214.85	Lay
321	330	435	525.53925	525.53925	0	-12428.19	Lay
322	331	436	308.07842	308.07842	0	-8059.550	Lay
323	332	437	471.00330	471.00330	0	-13495.11	Lay
324	333	438	543.77298	543.77298	0	-23685.40	Lay
325	334	439	455.53571	455.53571	0	2401.8060	Lay
326	335	440	1226.3859	1226.3859	0	27081.583	Lay
327	336	441	403.66485	403.66485	0	-21969.36	Lay
328	337	442	706.55528	706.55528	0	6817.2383	Lay
329	338	443	513.75528	513.75528	0	-6751.617	Lay
330	339	444	676.02296	676.02296	0	55453.647	Lay
331	340	445	778.82626	778.82626	0	66524.580	Lay
332	341	446	1353.4274	1353.4274	0	50067.116	Lay
333	342	447	833.20376	833.20376	0	100016.04	Lay
334	343	448	2375.1841	2375.1841	0	-26146.76	Lay
335	344	449	576.70166	576.70166	0	-21572.05	Lay
336	345	450	546.33209	546.33209	0	-19010.05	Lay
337	346	451	656.58910	656.58910	0	22872.388	Lay
338	347	452	206.39198	206.39198	0	-3031.940	Lay
339	348	453	784.10824	784.10824	0	17912.712	Lay
340	349	454	307.94712	307.94712	0	-411.5524	Lay
341	350	455	325.34488	325.34488	0	10815.631	Lay
342	351	456	286.97910	286.97910	0	19583.666	Lay
343	352	457	197.13005	197.13005	0	542.27062	Lay
344	353	458	16.164655	16.164655	0	-16.89098	Lay
345	354	459	1135.4397	1135.4397	0	-15394.24	Lay
346	355	460	467.85278	467.85278	0	-22926.12	Lay
347	356	461	285.37830	285.37830	0	-15777.51	Lay
348	357	462	545.22939	545.22939	0	-33120.16	Lay
349	358	463	261.38890	261.38890	0	-3445.678	Lay
350	359	464	533.00147	533.00147	0	10329.584	Lay
351	360	465	547.38530	547.38530	0	-1412.770	Lay
352	361	466	140.61704	140.61704	0	2842.4033	Lay

353	362	467	299.57775	299.57775	0	-960.2025	Lay
354	363	468	69.387241	69.387241	0	-2053.018	Lay
355	364	469	508.30271	508.30271	0	-7706.386	Lay
356	365	470	546.33553	546.33553	0	-7904.112	Lay
357	366	471	632.01324	632.01324	0	-10579.68	Lay
358	367	472	75.157434	75.157434	0	4354.0493	Lay
359	368	473	159.72342	159.72342	0	1646.4684	Lay
360	369	474	360.14186	360.14186	0	-1019.313	Lay
361	370	475	380.24155	380.24155	0	-3568.452	Lay
362	371	476	23.322586	23.322586	0	681.10524	Lay
363	372	477	38.430572	38.430572	0	1696.4999	Lay
364	373	478	15.704613	15.704613	0	130.22181	Lay
365	374	479	254.84681	254.84681	0	-1566.444	Lay
366	375	480	36.376206	36.376206	0	-992.4749	Lay
367	376	481	50.020574	50.020574	0	-1799.460	Lay
368	377	482	16.778448	16.778448	0	-464.4234	Lay
369	378	483	168.34327	168.34327	0	10934.428	Lay
370	379	484	134.78856	134.78856	0	11166.192	Lay
371	380	485	118.69028	118.69028	0	1662.4343	Lay
372	381	486	33.151436	33.151436	0	-54.29346	Lay
373	382	487	97.3875	97.3875	0	-937.3920	Lay
374	383	488	65.967126	65.967126	0	-1334.763	Lay
375	384	489	208.72589	208.72589	0	1714.524	Lay
376	385	490	1393.1897	1393.1897	0	-29288.34	Lay
377	386	491	14.820574	14.820574	0	-342.4422	Lay
378	387	492	34.817931	34.817931	0	-1103.711	Lay
379	388	493	36.388735	36.388735	0	-860.3641	Lay
380	389	494	43.951149	43.951149	0	-878.5877	Lay
381	390	495	54.217069	54.217069	0	-183.1433	Lay
382	391	496	155.48994	155.48994	0	4840.7097	Lay
383	392	497	77.841925	77.841925	0	2220.3055	Lay
384	393	498	37.438678	37.438678	0	-687.2101	Lay
385	394	499	34.302011	34.302011	0	242.40998	Lay
386	395	500	72.023706	72.023706	0	-1299.555	Lay
387	396	501	539.79479	539.79479	0	-14301.52	Lay
388	397	502	1258.9268	1258.9268	0	27813.941	Lay
389	398	503	969.60971	969.60971	0	22151.116	Lay
390	399	504	621.26108	621.26108	0	12043.116	Lay
391	400	505	565.94050	565.94050	0	-1456.449	Lay
392	401	506	423.93824	423.93824	0	-1198.380	Lay
393	402	507	284.67169	284.67169	0	-908.7205	Lay
394	403	508	278.22424	278.22424	0	-1703.496	Lay

395	404	509	306.97307	306.97307	0	-2872.159	Lay
396	405	510	457.08946	457.08946	0	-6925.844	Lay
397	406	511	512.61265	512.61265	0	-7411.853	Lay
398	407	512	748.04640	748.04640	0	-12522.01	Lay
399	408	513	1185.2553	1185.2553	0	-16061.28	Lay
400	409	514	1953.2180	1953.2180	0	-21479.74	Lay
401	410	515	1830.3250	1830.3250	0	-42115.41	Lay
402	411	516	35.223678	35.223678	0	-506.0281	Lay
403	412	517	32.328477	32.328477	0	60.088020	Lay
404	413	518	253.45356	253.45356	0	-756.7214	Lay
405	414	519	255.92053	255.92053	0	-765.9433	Lay
406	415	520	31.315847	31.315847	0	541.25691	Lay
407	416	521	17.235096	17.235096	0	453.02435	Lay
408	417	522	22.36	22.36	0	382.17004	Lay

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TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2375.0046	2375.004	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2780	2780	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	
9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059	
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5	
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417	
12	-1	5652	20000	2510	2560	2467.9123	2468.1484	Swamp	2147930.5	
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6	
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191	
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7	
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7	
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819	
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2	

19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5
20	19	6992	32189	2910	2960	2959.9804	2959.9804	Swamp	866017.75
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192
26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2497.7709	2498.5398	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2369.8403	2369.7657	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2965.7432	2965.7341	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3229.8381	2980.3005	Swamp	46877.496
39	28	5689	24547	2510	2560	2560	2560	Swamp	325796.53
40	29	5107	25236	2490	2540	2413.1774	2413.3284	Swamp	2299764
41	29	5203	26521	2470	2520	2387.6052	2387.4994	Swamp	1188807.5
42	29	5202	28261	2470	2520	2422.9808	2422.6451	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2947.6888	2947.4674	Swamp	192655.17
45	43	6973	29319	2790	2840	2840	2840	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	59	6918	27954	2750	2800	2800	2800	Swamp	59082.835
48	89	7268	27047	2950	3000	3000	2760	Head	110959.16
49	91	6626	26660	2630	2680	2680	2680	Swamp	239884.65
50	92	6413	26034	2610	2660	2660	2659.9556	Swamp	244550.18
51	93	6129	25301	2550	2600	2599.9505	2599.9238	Swamp	227482.17
52	69	6178	27422	2913	2963	2800.5175	2796.2327	Swamp	297364.31
53	42	6142	28824	2750	2800	2794.3425	2793.3377	Swamp	656989
54	87	6945	28630	2770	2820	2820	2820	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.8424	2760	Swamp	42484
56	69	6268	28173	2750	2800	2800	2800	Swamp	135271
57	56	6365	28022	2800	2850	2846.8839	2844.0219	Swamp	145908.67
58	59	6687	27823	2810	2860	2839.7694	2837.8874	Swamp	54975.668
59	55	6845	27559	2740	2790	2789.9318	2790	Swamp	58884.996
60	89	6982	26866	2810	2860	2860	2760	Head	72035.671

61	89	7160	26335	3010	3060	3046.7378	2760	Head	67875
62	89	7140	26057	3050	3100	3075.5476	2760	Head	22115
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2719.7288	2715.1574	Swamp	448827
66	41	5752	26270	2770	2820	2670.1589	2666.5016	Swamp	131233.32
67	41	5602	26030	2700	2750	2637.2246	2634.3445	Swamp	379078
68	40	5626	25290	2600	2650	2605.3377	2603.4545	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2488.9782	2489.3145	Swamp	7203686
71	89	7449	26097	3270	3320	3176.3861	2760	Head	29129.168
72	89	7424	26197	3230	3280	3162.3184	2760	Head	49151.332
73	90	6800	26500	2760	2810	2810	2787.8697	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2789.2337	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2777.0247	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	2990.3537	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3123.3408	Swamp	301410.65
78	89	7130	25890	3060	3110	3110	2760	Head	100038.33
79	77	7760	26170	3290	3340	3271.9403	3062.5713	Swamp	180520
80	48	7550	26640	3200	3250	3178.0005	2949.8727	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2960	2960	Swamp	975487.18
83	84	6927	30726	2984	3034	2965.7357	2965.7265	Swamp	496899.68
84	85	7000	29991	2910	2960	2947.7527	2947.5310	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2840	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2820	Swamp	88252.828
87	59	6928	27954	2750	2800	2800	2800	Swamp	97702.328
88	55	6855	27559	2740	2790	2790	2790	Swamp	35203.496
89	90	6794	27278	2710	2760	2760	2760	Swamp	32180.002
90	91	6636	26660	2630	2680	2680	2680	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2660	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2600	Swamp	572830.68
93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2501.6271	2502.4297	Swamp	809781.12
95	-1	2500	21846	2295	2345	2345	2345	Swamp	1437697.7
96	87	7283	27480	2925	2975	2975	2910.9360	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2826.1344	2824.7708	Swamp	70775.828
99	47	6940	28300	2780	2830	2826.0926	2824.7300	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2830	Swamp	171009.82
101	59	6500	27670	2810	2860	2860	2860	Swamp	89622.492
102	55	6530	27330	2750	2800	2800	2800	Swamp	116272

103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.8835	2345.8831	Cont	1272267
107	0	14902	33700	2330	2430	2383.2168	2383.2155	Cont	1793873.7
108	0	16898	33700	2630	2730	2786.2171	2786.2171	Cont	897395.5
109	0	19487	33700	2900	3000	3044.5809	3044.5792	Cont	2478921.2
110	0	21800	33700	2800	2900	2955.7405	2955.7389	Cont	2084481.7
111	0	21800	30591	3320	3420	3452.0894	3452.0776	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.5378	3476.4660	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.5737	3442.4551	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.5290	3435.5035	Cont	3572059
115	0	21800	20000	2970	3070	3122.4166	3122.4117	Cont	3062616.5
116	0	18511	20000	2830	2930	2981.5358	2981.5247	Cont	4570417
117	0	15652	20000	2410	2510	2472.9176	2473.1463	Cont	2147930.5
118	0	12500	20000	2200	2300	2351.3970	2351.3979	Cont	1958860.6
119	0	12500	21856	2195	2295	2348.0149	2348.0180	Cont	851191
120	0	12500	23928	2194.8	2294.8	2346.9977	2346.9913	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2346.4003	2346.3817	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.5890	2346.5838	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.9777	2349.9760	Cont	3153883.2
124	0	15605	32073	2570	2670	2717.2614	2717.2585	Cont	2479278.5
125	0	16992	32189	2810	2910	2953.0339	2953.0339	Cont	866017.75
126	0	18372	32305	2650	2750	2815.5989	2815.5951	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.5585	3198.5458	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.2941	3207.2533	Cont	2979780.7
129	0	19441	27370	3450	3550	3587.0439	3586.5797	Cont	3920933
130	0	19462	25661	3485	3585	3621.9000	3621.1677	Cont	4517192
131	0	18985	23075	3211	3311	3356.7309	3356.6229	Cont	7849879
132	0	17287	24068	3149	3249	3274.8036	3273.4095	Cont	3571829.7
133	0	14953	23445	2364	2464	2500.6349	2501.3466	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2348.1027	2348.0602	Cont	3344869.5
135	0	13594	28985	2325	2425	2373.4824	2373.3932	Cont	3168726
136	0	15507	30465	2690	2790	2828.9914	2828.9749	Cont	3240518.2
137	0	16132	30751	2531	2631	2701.8214	2701.8076	Cont	921241.87
138	0	16917	30726	2884	2984	2959.5474	2959.5380	Cont	435496.37
139	0	18267	30992	2859	2959	3009.3955	3009.3783	Cont	1786093.3
140	0	18301	29819	3010	3110	3154.4707	3154.3871	Cont	1887000.3
141	0	18693	28740	3217	3317	3351.3277	3351.0043	Cont	1664478.8
142	0	17787	27697	2850	2950	3009.8017	3005.2980	Cont	1143354.3
143	0	17624	26097	3250	3350	3208.7029	2962.0635	Cont	46877.496
144	0	15689	24547	2410	2510	2565.6788	2565.3250	Cont	325796.53

145	0	15107	25236	2390	2490	2422.3668	2422.3359	Cont	2299764
146	0	15203	26521	2370	2470	2405.1124	2404.6894	Cont	1188807.5
147	0	15202	28261	2370	2470	2435.4760	2435.0486	Cont	2427143.5
148	0	16195	29695	2530	2630	2693.7656	2693.6727	Cont	979702.12
149	0	16990	29991	2810	2910	2940.4953	2940.2672	Cont	192655.17
150	0	16973	29319	2690	2790	2845.4734	2845.3168	Cont	300995.53
151	0	17455	28541	2850	2950	2994.3037	2993.6273	Cont	815578.87
152	0	16918	27954	2650	2750	2802.2981	2802.3994	Cont	59082.835
153	89	17268	27047	2850	2950	2983.3108	2760	Head	110959.16
154	0	16626	26660	2530	2630	2692.0585	2688.3974	Cont	239884.65
155	0	16413	26034	2510	2610	2669.1604	2665.2204	Cont	244550.18
156	0	16129	25301	2450	2550	2610.1641	2608.1550	Cont	227482.17
157	0	16178	27422	2813	2913	2777.9054	2773.3969	Cont	297364.31
158	0	16142	28824	2650	2750	2771.9228	2770.8932	Cont	656989
159	0	16945	28630	2670	2770	2823.5402	2823.1201	Cont	180601.48
160	0	16784	27278	2610	2710	2764.4386	2759.8529	Cont	42484
161	0	16268	28173	2650	2750	2788.6113	2787.5797	Cont	135271
162	0	16365	28022	2700	2800	2824.4874	2821.3735	Cont	145908.67
163	0	16687	27823	2710	2810	2821.9486	2819.6469	Cont	54975.668
164	0	16845	27559	2640	2740	2790.7248	2787.0573	Cont	58884.996
165	89	16982	26866	2710	2810	2871.0742	2760	Head	72035.671
166	89	17160	26335	2910	3010	3030.6617	2760	Head	67875
167	89	17140	26057	2950	3050	3056.9464	2760	Head	22115
168	0	18324	26577	3180	3280	3323.8821	3315.5447	Cont	976391
169	0	18324	25947	3250	3350	3386.1509	3375.5912	Cont	781773.62
170	0	15902	26560	2750	2850	2698.7520	2694.0958	Cont	448827
171	0	15752	26270	2670	2770	2649.1620	2645.4064	Cont	131233.32
172	0	15602	26030	2600	2700	2616.4125	2613.4775	Cont	379078
173	0	15626	25290	2500	2600	2586.1212	2584.1465	Cont	253546.84
174	0	15802	27740	2520	2620	2662.5311	2661.8972	Cont	644496
175	0	15206	22144	2350	2450	2491.5041	2491.8183	Cont	7203686
176	89	17449	26097	3170	3270	3157.2937	2760	Head	29129.168
177	89	17424	26197	3130	3230	3143.7439	2760	Head	49151.332
178	0	16800	26500	2660	2760	2824.6975	2772.0216	Cont	124351.33
179	0	16840	26030	2780	2880	2917.3626	2775.3292	Cont	127458.33
180	0	16560	25700	2670	2770	2807.6299	2762.8171	Cont	157229.51
181	0	17130	25560	2950	3050	3083.4595	2972.7561	Cont	450920.81
182	0	17500	25800	3070	3170	3189.3124	3071.7615	Cont	301410.65
183	89	17130	25890	2960	3060	3080.6644	2760	Head	100038.33
184	0	17760	26170	3190	3290	3242.9089	3035.5182	Cont	180520
185	0	17550	26640	3100	3200	3149.8529	2924.8535	Cont	358294.5
186	0	16908	33700	2630	2730	2786.2890	2786.2890	Cont	948964.81

187	0	17002	32189	2810	2910	2953.0689	2953.0689	Cont	975487.18
188	0	16927	30726	2884	2984	2959.5426	2959.5331	Cont	496899.68
189	0	17000	29991	2810	2910	2940.5055	2940.2772	Cont	570526.5
190	0	16983	29319	2690	2790	2845.5032	2845.3466	Cont	417653.65
191	0	16955	28630	2670	2770	2823.5532	2823.1333	Cont	88252.828
192	0	16928	27954	2650	2750	2802.3430	2802.4595	Cont	97702.328
193	0	16855	27559	2640	2740	2790.8432	2787.1797	Cont	35203.496
194	0	16794	27278	2610	2710	2764.7024	2760.1050	Cont	32180.002
195	0	16636	26660	2530	2630	2692.2590	2688.5932	Cont	70964.671
196	0	16423	26034	2510	2610	2669.3731	2665.4232	Cont	114405.16
197	0	16139	25301	2450	2550	2610.4381	2608.4177	Cont	572830.68
198	0	15699	24542	2410	2510	2565.7508	2565.3959	Cont	1117802.6
199	0	14963	23435	2364	2464	2500.7411	2501.4542	Cont	809781.12
200	0	12500	21846	2195	2295	2347.7324	2347.7342	Cont	1437697.7
201	0	17283	27480	2825	2925	2959.1140	2883.6923	Cont	204297.34
202	0	17150	28050	2730	2830	2879.0691	2875.7261	Cont	187505.17
203	0	16950	28300	2680	2780	2824.3063	2822.8399	Cont	70775.828
204	0	16940	28300	2680	2780	2824.2818	2822.8168	Cont	28068.334
205	0	16700	28150	2680	2780	2821.9695	2821.1005	Cont	171009.82
206	0	16500	27670	2710	2810	2831.7049	2829.6489	Cont	89622.492
207	0	16530	27330	2650	2750	2786.7483	2783.9288	Cont	116272
208	0	17758	25649	3084	3184	3266.8052	3199.4807	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2351.3983	2351.3968	Cont	1272267
212	0	24902	33700	2130	2330	2404.8282	2404.8249	Cont	1793873.7
213	0	26898	33700	2430	2630	2797.1888	2797.1889	Cont	897395.5
214	0	29487	33700	2700	2900	3035.6359	3035.6308	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.7036	2965.6988	Cont	2084481.7
216	0	31800	30591	3120	3320	3421.3429	3421.3077	Cont	1796855.2
217	0	31800	27778	3130	3330	3470.2553	3470.0417	Cont	2428391.7
218	0	31800	25426	3090	3290	3446.5756	3446.2231	Cont	2560505.5
219	0	31800	22935	3090	3290	3427.5380	3427.4618	Cont	3572059
220	0	31800	20000	2770	2970	3126.6916	3126.6770	Cont	3062616.5
221	0	28511	20000	2630	2830	2984.2745	2984.2408	Cont	4570417
222	0	25652	20000	2210	2410	2486.1967	2486.4033	Cont	2147930.5
223	0	22500	20000	2000	2200	2355.3233	2355.3263	Cont	1958860.6
224	0	22500	21856	1995	2195	2355.8277	2355.8347	Cont	851191
225	0	22500	23928	1994.8	2194.8	2353.032	2353.0041	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2351.5815	2351.5079	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2352.7903	2352.7702	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2364.3564	2364.3496	Cont	3153883.2

229	0	25605	32073	2370	2570	2712.4432	2712.4339	Cont	2479278.5
230	0	26992	32189	2610	2810	2940.9821	2940.9821	Cont	866017.75
231	0	28372	32305	2450	2650	2841.8094	2841.7979	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.9929	3195.9552	Cont	4098020.7
233	0	30444	29751	2850	3050	3219.0931	3218.9718	Cont	2979780.7
234	0	29441	27370	3250	3450	3563.9014	3562.5356	Cont	3920933
235	0	29462	25661	3285	3485	3598.4533	3596.3059	Cont	4517192
236	0	28985	23075	3011	3211	3348.7324	3348.4123	Cont	7849879
237	0	27287	24068	2949	3149	3232.7075	3228.9488	Cont	3571829.7
238	0	24953	23445	2164	2364	2504.2261	2504.7294	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2357.3988	2357.2307	Cont	3344869.5
240	0	23594	28985	2125	2325	2383.3253	2383.1928	Cont	3168726
241	0	25507	30465	2490	2690	2808.4563	2808.4023	Cont	3240518.2
242	0	26132	30751	2331	2531	2732.4312	2732.3901	Cont	921241.87
243	0	26917	30726	2684	2884	2948.5809	2948.5698	Cont	435496.37
244	0	28267	30992	2659	2859	3010.1312	3010.0802	Cont	1786093.3
245	0	28301	29819	2810	3010	3144.5410	3144.2933	Cont	1887000.3
246	0	28693	28740	3017	3217	3324.6461	3323.6947	Cont	1664478.8
247	0	27787	27697	2650	2850	3024.0932	3012.4463	Cont	1143354.3
248	0	27624	26097	3050	3250	3168.3193	2937.0706	Cont	46877.496
249	0	25689	24547	2210	2410	2575.5868	2574.5338	Cont	325796.53
250	0	25107	25236	2190	2390	2445.0199	2444.4925	Cont	2299764
251	0	25203	26521	2170	2370	2445.6970	2444.4569	Cont	1188807.5
252	0	25202	28261	2170	2370	2466.3871	2465.6916	Cont	2427143.5
253	0	26195	29695	2330	2530	2713.9814	2713.7257	Cont	979702.12
254	0	26990	29991	2610	2810	2928.7267	2928.4639	Cont	192655.17
255	0	26973	29319	2490	2690	2853.7036	2853.2427	Cont	300995.53
256	0	27455	28541	2650	2850	2985.2342	2983.2712	Cont	815578.87
257	0	26918	27954	2450	2650	2804.7180	2803.6804	Cont	59082.835
258	89	27268	27047	2650	2850	2958.7944	2760	Head	110959.16
259	0	26626	26660	2330	2530	2712.0289	2702.0961	Cont	239884.65
260	0	26413	26034	2310	2510	2684.4694	2674.2997	Cont	244550.18
261	0	26129	25301	2250	2450	2627.0704	2621.7163	Cont	227482.17
262	0	26178	27422	2613	2813	2747.7834	2742.1792	Cont	297364.31
263	0	26142	28824	2450	2650	2740.5109	2739.3628	Cont	656989
264	0	26945	28630	2470	2670	2828.6736	2827.4954	Cont	180601.48
265	0	26784	27278	2410	2610	2771.1995	2759.9837	Cont	42484
266	0	26268	28173	2450	2650	2767.7255	2765.2273	Cont	135271
267	0	26365	28022	2500	2700	2792.6717	2788.4212	Cont	145908.67
268	0	26687	27823	2510	2710	2801.7130	2797.5929	Cont	54975.668
269	0	26845	27559	2440	2640	2791.9305	2783.1040	Cont	58884.996
270	89	26982	26866	2510	2710	2879.7074	2760	Head	72035.671

271	89	27160	26335	2710	2910	3005.7276	2760	Head	67875
272	89	27140	26057	2750	2950	3024.4613	2760	Head	22115
273	0	28324	26577	2980	3180	3311.2965	3290.0786	Cont	976391
274	0	28324	25947	3050	3250	3360.6168	3334.1266	Cont	781773.62
275	0	25902	26560	2550	2750	2668.6203	2663.5511	Cont	448827
276	0	25752	26270	2470	2670	2621.5673	2617.3671	Cont	131233.32
277	0	25602	26030	2400	2600	2588.9882	2585.7775	Cont	379078
278	0	25626	25290	2300	2500	2564.4213	2562.0234	Cont	253546.84
279	0	25802	27740	2320	2520	2651.8792	2650.1567	Cont	644496
280	0	25206	22144	2150	2350	2498.2085	2498.4558	Cont	7203686
281	89	27449	26097	2970	3170	3121.2675	2760	Head	29129.168
282	89	27424	26197	2930	3130	3109.4499	2760	Head	49151.332
283	0	26800	26500	2460	2660	2840.0927	2757.6935	Cont	124351.33
284	0	26840	26030	2580	2780	2898.3230	2762.2531	Cont	127458.33
285	0	26560	25700	2470	2670	2793.8642	2747.0227	Cont	157229.51
286	0	27130	25560	2750	2950	3053.3407	2943.7767	Cont	450920.81
287	0	27500	25800	2870	3070	3141.6384	3005.6138	Cont	301410.65
288	89	27130	25890	2760	2960	3038.3153	2760	Head	100038.33
289	0	27760	26170	2990	3190	3198.1693	3002.4735	Cont	180520
290	0	27550	26640	2900	3100	3106.5351	2897.2776	Cont	358294.5
291	0	26908	33700	2430	2630	2797.2515	2797.2516	Cont	948964.81
292	0	27002	32189	2610	2810	2941.0124	2941.0124	Cont	975487.18
293	0	26927	30726	2684	2884	2948.5748	2948.5636	Cont	496899.68
294	0	27000	29991	2610	2810	2928.7319	2928.4689	Cont	570526.5
295	0	26983	29319	2490	2690	2853.7305	2853.2698	Cont	417653.65
296	0	26955	28630	2470	2670	2828.6893	2827.5115	Cont	88252.828
297	0	26928	27954	2450	2650	2804.7647	2803.7508	Cont	97702.328
298	89	26855	27559	2440	2640	2792.0358	2783.2302	Cont	35203.496
299	89	26794	27278	2410	2610	2771.4152	2760.1918	Cont	32180.002
300	0	26636	26660	2330	2530	2712.2165	2702.2774	Cont	70964.671
301	0	26423	26034	2310	2510	2684.6874	2674.5005	Cont	114405.16
302	0	26139	25301	2250	2450	2627.3633	2621.9835	Cont	572830.68
303	0	25699	24542	2210	2410	2575.6648	2574.6093	Cont	1117802.6
304	0	24963	23435	2164	2364	2504.2854	2504.7899	Cont	809781.12
305	0	22500	21846	1995	2195	2355.5517	2355.5578	Cont	1437697.7
306	0	27283	27480	2625	2825	2938.7455	2856.7958	Cont	204297.34
307	0	27150	28050	2530	2730	2877.3753	2869.5306	Cont	187505.17
308	0	26950	28300	2480	2680	2822.4514	2820.4341	Cont	70775.828
309	0	26940	28300	2480	2680	2822.4291	2820.4126	Cont	28068.334
310	0	26700	28150	2480	2680	2809.9316	2807.4972	Cont	171009.82
311	0	26500	27670	2510	2710	2793.7235	2788.2927	Cont	89622.492
312	0	26530	27330	2450	2650	2769.0444	2761.3292	Cont	116272

313	0	27758	25649	2884	3084	3227.3777	3144.3259	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2361.2904	2361.2867	Cont	1272267
317	0	4902	18700	1730	2130	2437.0739	2437.067	Cont	1793873.7
318	0	6898	18700	2030	2430	2813.9826	2813.9829	Cont	897395.5
319	0	9487	18700	2300	2700	3023.9322	3023.9207	Cont	2478921.2
320	0	11800	18700	2200	2600	2980.2312	2980.2204	Cont	2084481.7
321	0	11800	15591	2720	3120	3377.5057	3377.4265	Cont	1796855.2
322	0	11800	12778	2730	3130	3460.1866	3459.7100	Cont	2428391.7
323	0	11800	10426	2690	3090	3450.9140	3450.1317	Cont	2560505.5
324	0	11800	7935	2690	3090	3415.1535	3414.9824	Cont	3572059
325	0	11800	5000	2370	2770	3133.1546	3133.1218	Cont	3062616.5
326	0	8511	5000	2230	2630	2988.4681	2988.3907	Cont	4570417
327	0	5652	5000	1810	2210	2506.3118	2506.4772	Cont	2147930.5
328	0	2500	5000	1600	2000	2361.9506	2361.9559	Cont	1958860.6
329	0	2500	6856	1595	1995	2369.0253	2369.0321	Cont	851191
330	0	2500	8928	1594.8	1994.8	2362.7979	2362.7234	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2360.6913	2360.5154	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2363.3722	2363.3256	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2385.7841	2385.7678	Cont	3153883.2
334	0	5605	17073	1970	2370	2706.6253	2706.6040	Cont	2479278.5
335	0	6992	17189	2210	2610	2923.1124	2923.1125	Cont	866017.75
336	0	8372	17305	2050	2450	2877.5453	2877.5194	Cont	2341256.2
337	0	10053	15641	2450	2850	3192.0070	3191.9221	Cont	4098020.7
338	0	10444	14751	2450	2850	3233.7540	3233.484	Cont	2979780.7
339	0	9441	12370	2850	3250	3528.1494	3525.2491	Cont	3920933
340	0	9462	10661	2885	3285	3562.0783	3557.5858	Cont	4517192
341	0	8985	8075	2611	3011	3335.2606	3334.5595	Cont	7849879
342	0	7287	9068	2549	2949	3171.0682	3164.1513	Cont	3571829.7
343	0	4953	8445	1764	2164	2510.7711	2510.8908	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2372.8637	2372.4671	Cont	3344869.5
345	0	3594	13985	1725	2125	2398.7696	2398.5567	Cont	3168726
346	0	5507	15465	2090	2490	2782.4642	2782.3424	Cont	3240518.2
347	0	6132	15751	1931	2331	2763.6968	2763.6062	Cont	921241.87
348	0	6917	15726	2284	2684	2931.6299	2931.6128	Cont	435496.37
349	0	8267	15992	2259	2659	3011.2420	3011.1279	Cont	1786093.3
350	0	8301	14819	2410	2810	3129.1849	3128.6399	Cont	1887000.3
351	0	8693	13740	2617	3017	3287.0425	3285.0250	Cont	1664478.8
352	0	7787	12697	2250	2650	3038.1249	3018.9548	Cont	1143354.3
353	0	7624	11097	2650	3050	3112.1470	2959.0332	Cont	46877.496
354	0	5689	9547	1810	2210	2590.0134	2587.7045	Cont	325796.53

355	0	5107	10236	1790	2190	2475.5437	2474.2102	Cont	2299764
356	0	5203	11521	1770	2170	2493.7247	2491.2888	Cont	1188807.5
357	0	5202	13261	1770	2170	2507.5594	2506.3931	Cont	2427143.5
358	0	6195	14695	1930	2330	2734.9902	2734.4826	Cont	979702.12
359	0	6990	14991	2210	2610	2912.8621	2912.4761	Cont	192655.17
360	0	6973	14319	2090	2490	2862.4835	2861.4551	Cont	300995.53
361	0	7455	13541	2250	2650	2973.7733	2969.7967	Cont	815578.87
362	0	6918	12954	2050	2450	2805.2429	2800.202	Cont	59082.835
363	0	7268	12047	2250	2650	2931.5734	2824.8171	Cont	225309.32
364	0	6626	11660	1930	2330	2737.5644	2720.6551	Cont	239884.65
365	0	6413	11034	1910	2310	2704.9145	2687.8621	Cont	244550.18
366	0	6129	10301	1850	2250	2649.3595	2639.7076	Cont	227482.17
367	0	6178	12422	2213	2613	2739.2636	2730.8284	Cont	297364.31
368	0	6142	13824	2050	2450	2711.5039	2710.016	Cont	656989
369	0	6945	13630	2070	2470	2834.0273	2831.5099	Cont	180601.48
370	0	6784	12278	2010	2410	2776.6259	2761.2195	Cont	42484
371	0	6268	13173	2050	2450	2745.8902	2741.5016	Cont	135271
372	0	6365	13022	2100	2500	2775.2813	2768.6221	Cont	145908.67
373	0	6687	12823	2110	2510	2788.5198	2781.0363	Cont	54975.668
374	0	6845	12559	2040	2440	2791.5365	2778.9731	Cont	58884.996
375	0	6982	11866	2110	2510	2877.3529	2789.9087	Cont	128026.33
376	0	7160	11335	2310	2710	2972.7573	2821.2063	Cont	145059.65
377	0	7140	11057	2350	2750	2982.1168	2831.8045	Cont	48657.496
378	0	8324	11577	2580	2980	3287.9299	3253.4557	Cont	976391
379	0	8324	10947	2650	3050	3320.0871	3278.6276	Cont	781773.62
380	0	5902	11560	2150	2550	2640.4645	2634.2616	Cont	448827
381	0	5752	11270	2070	2470	2599.7995	2594.4902	Cont	131233.32
382	0	5602	11030	2000	2400	2568.4693	2564.4620	Cont	379078
383	0	5626	10290	1900	2300	2555.0756	2551.5877	Cont	253546.84
384	0	5802	12740	1920	2320	2643.3784	2640.0702	Cont	644496
385	0	5206	7144	1750	2150	2508.4020	2508.5244	Cont	7203686
386	0	7449	11097	2570	2970	3069.0719	2897.8849	Cont	42979.664
387	0	7424	11197	2530	2930	3059.6587	2881.4111	Cont	100972
388	0	6800	11500	2060	2460	2846.5324	2767.1455	Cont	124351.33
389	0	6840	11030	2180	2580	2876.3224	2776.7542	Cont	127458.33
390	0	6560	10700	2070	2470	2785.0171	2740.4087	Cont	157229.51
391	0	7130	10560	2350	2750	3008.9545	2914.6881	Cont	450920.81
392	0	7500	10800	2470	2870	3082.4035	2963.9842	Cont	301410.65
393	0	7130	10890	2360	2760	2989.8034	2845.3443	Cont	108572.17
394	0	7760	11170	2590	2990	3141.1719	2996.6646	Cont	180520
395	0	7550	11640	2500	2900	3054.8578	2906.3767	Cont	358294.5
396	0	6908	18700	2030	2430	2814.0306	2814.0308	Cont	948964.81

397	0	7002	17189	2210	2610	2923.1356	2923.1356	Cont	975487.18
398	0	6927	15726	2284	2684	2931.6234	2931.6060	Cont	496899.68
399	0	7000	14991	2210	2610	2912.8631	2912.4769	Cont	570526.5
400	0	6983	14319	2090	2490	2862.5065	2861.4786	Cont	417653.65
401	0	6955	13630	2070	2470	2834.0460	2831.5294	Cont	88252.828
402	0	6928	12954	2050	2450	2805.2943	2800.2750	Cont	97702.328
403	0	6855	12559	2040	2440	2791.6323	2779.0921	Cont	59750.996
404	0	6794	12278	2010	2410	2776.7785	2761.3766	Cont	82037.507
405	0	6636	11660	1930	2330	2737.7256	2720.8155	Cont	70964.671
406	0	6423	11034	1910	2310	2705.1372	2688.0623	Cont	114405.16
407	0	6139	10301	1850	2250	2649.6718	2639.9796	Cont	572830.68
408	0	5699	9542	1810	2210	2590.0970	2587.7840	Cont	1117802.6
409	0	4963	8435	1764	2164	2510.8208	2510.9420	Cont	809781.12
410	0	2500	6846	1595	1995	2368.7618	2368.7683	Cont	1437697.7
411	0	7283	12480	2225	2625	2920.8410	2860.0414	Cont	204297.34
412	0	7150	13050	2130	2530	2874.8546	2863.5888	Cont	187505.17
413	0	6950	13300	2080	2480	2820.5677	2816.7590	Cont	70775.828
414	0	6940	13300	2080	2480	2820.5413	2816.7312	Cont	28068.334
415	0	6700	13150	2080	2480	2801.4868	2796.5974	Cont	171009.82
416	0	6500	12670	2110	2510	2771.7037	2763.0582	Cont	89622.492
417	0	6530	12330	2050	2450	2760.5324	2748.5966	Cont	116272
418	0	7758	10649	2484	2884	3174.2823	3095.2421	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2390.3988	2390.3870	Cont	1272267
422	0	14902	18700	730	1730	2501.3790	2501.3585	Cont	1793873.7
423	0	16898	18700	1030	2030	2840.4979	2840.4987	Cont	897395.5
424	0	19487	18700	1300	2300	3009.0201	3008.9853	Cont	2478921.2
425	0	21800	18700	1200	2200	3007.4611	3007.4286	Cont	2084481.7
426	0	21800	15591	1720	2720	3300.6274	3300.3940	Cont	1796855.2
427	0	21800	12778	1730	2730	3435.1342	3433.8088	Cont	2428391.7
428	0	21800	10426	1690	2690	3449.3839	3447.2816	Cont	2560505.5
429	0	21800	7935	1690	2690	3387.3331	3386.8376	Cont	3572059
430	0	21800	5000	1370	2370	3146.3940	3146.2960	Cont	3062616.5
431	0	18511	5000	1230	2230	2997.2105	2996.9750	Cont	4570417
432	0	15652	5000	810	1810	2548.0485	2548.0747	Cont	2147930.5
433	0	12500	5000	600	1600	2379.5324	2379.5349	Cont	1958860.6
434	0	12500	6856	595	1595	2392.0229	2392.0199	Cont	851191
435	0	12500	8928	594.8	1594.8	2386.6325	2386.3718	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2387.1977	2386.6761	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2392.1071	2391.9775	Cont	2731819
438	0	13567	16979	594.5	1594.5	2429.3748	2429.3253	Cont	3153883.2

439	0	15605	17073	970	1970	2701.3942	2701.3315	Cont	2479278.5
440	0	16992	17189	1210	2210	2901.0296	2901.0300	Cont	866017.75
441	0	18372	17305	1050	2050	2932.0209	2931.9442	Cont	2341256.2
442	0	20053	15641	1450	2450	3182.5229	3182.2735	Cont	4098020.7
443	0	20444	14751	1450	2450	3247.3678	3246.6257	Cont	2979780.7
444	0	19441	12370	1850	2850	3449.4785	3443.2199	Cont	3920933
445	0	19462	10661	1885	2885	3481.1139	3472.1694	Cont	4517192
446	0	18985	8075	1611	2611	3299.3436	3297.5667	Cont	7849879
447	0	17287	9068	1549	2549	3054.5673	3044.1134	Cont	3571829.7
448	0	14953	8445	764	1764	2522.4913	2521.8991	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2410.9594	2409.8730	Cont	3344869.5
450	0	13594	13985	725	1725	2433.8279	2433.3525	Cont	3168726
451	0	15507	15465	1090	2090	2747.8380	2747.5073	Cont	3240518.2
452	0	16132	15751	931	1931	2778.5390	2778.2964	Cont	921241.87
453	0	16917	15726	1284	2284	2908.7992	2908.7681	Cont	435496.37
454	0	18267	15992	1259	2259	3012.7887	3012.4643	Cont	1786093.3
455	0	18301	14819	1410	2410	3096.8050	3095.3963	Cont	1887000.3
456	0	18693	13740	1617	2617	3221.1009	3216.7843	Cont	1664478.8
457	0	17787	12697	1250	2250	3037.4617	3016.2039	Cont	1143354.3
458	0	17624	11097	1650	2650	3027.0369	2960.0782	Cont	46877.496
459	0	15689	9547	810	1810	2605.6597	2601.2624	Cont	325796.53
460	0	15107	10236	790	1790	2526.4285	2523.2131	Cont	2299764
461	0	15203	11521	770	1770	2551.1877	2546.5751	Cont	1188807.5
462	0	15202	13261	770	1770	2569.4241	2567.1385	Cont	2427143.5
463	0	16195	14695	930	1930	2748.7611	2747.6648	Cont	979702.12
464	0	16990	14991	1210	2210	2893.8514	2893.0961	Cont	192655.17
465	0	16973	14319	1090	2090	2866.1475	2864.0361	Cont	300995.53
466	0	17455	13541	1250	2250	2956.5365	2949.5829	Cont	815578.87
467	0	16918	12954	1050	2050	2812.2914	2803.4071	Cont	59082.835
468	0	17268	12047	1250	2250	2900.1233	2854.4050	Cont	225309.32
469	0	16626	11660	930	1930	2753.6489	2735.8161	Cont	239884.65
470	0	16413	11034	910	1910	2719.7296	2702.3296	Cont	244550.18
471	0	16129	10301	850	1850	2668.1020	2656.4473	Cont	227482.17
472	0	16178	12422	1213	2213	2680.4544	2672.8960	Cont	297364.31
473	0	16142	13824	1050	2050	2702.1175	2699.7077	Cont	656989
474	0	16945	13630	1070	2070	2838.9646	2834.3402	Cont	180601.48
475	0	16784	12278	1010	2010	2786.0302	2770.6042	Cont	42484
476	0	16268	13173	1050	2050	2717.6521	2712.2980	Cont	135271
477	0	16365	13022	1100	2100	2731.1037	2724.4776	Cont	145908.67
478	0	16687	12823	1110	2110	2781.8511	2772.7443	Cont	54975.668
479	0	16845	12559	1040	2040	2798.2549	2785.1197	Cont	58884.996
480	0	16982	11866	1110	2110	2858.7338	2817.1924	Cont	128026.33

481	0	17160	11335	1310	2310	2919.0744	2857.1807	Cont	145059.65
482	0	17140	11057	1350	2350	2920.3306	2859.4843	Cont	48657.496
483	0	18324	11577	1580	2580	3224.0155	3188.5025	Cont	976391
484	0	18324	10947	1650	2650	3233.8539	3195.7853	Cont	781773.62
485	0	15902	11560	1150	2150	2628.1006	2620.2551	Cont	448827
486	0	15752	11270	1070	2070	2603.2591	2596.128	Cont	131233.32
487	0	15602	11030	1000	2000	2580.0149	2574.0873	Cont	379078
488	0	15626	10290	900	1900	2577.3730	2571.8215	Cont	253546.84
489	0	15802	12740	920	1920	2636.6526	2631.8560	Cont	644496
490	0	15206	7144	750	1750	2529.792	2529.5469	Cont	7203686
491	0	17449	11097	1570	2570	2989.3401	2920.9908	Cont	42979.664
492	0	17424	11197	1530	2530	2983.0545	2913.1106	Cont	100972
493	0	16800	11500	1060	2060	2831.9147	2790.7892	Cont	124351.33
494	0	16840	11030	1180	2180	2842.7665	2796.7443	Cont	127458.33
495	0	16560	10700	1070	2070	2772.3823	2743.7867	Cont	157229.51
496	0	17130	10560	1350	2350	2934.6533	2883.5562	Cont	450920.81
497	0	17500	10800	1470	2470	2996.2465	2935.4609	Cont	301410.65
498	0	17130	10890	1360	2360	2922.7209	2863.6999	Cont	108572.17
499	0	17760	11170	1590	2590	3055.1773	2989.5977	Cont	180520
500	0	17550	11640	1500	2500	2987.8255	2924.4202	Cont	358294.5
501	0	16908	18700	1030	2030	2840.5245	2840.5252	Cont	948964.81
502	0	17002	17189	1210	2210	2901.0418	2901.0422	Cont	975487.18
503	0	16927	15726	1284	2284	2908.7921	2908.7606	Cont	496899.68
504	0	17000	14991	1210	2210	2893.8477	2893.0920	Cont	570526.5
505	0	16983	14319	1090	2090	2866.1626	2864.0521	Cont	417653.65
506	0	16955	13630	1070	2070	2838.9794	2834.3562	Cont	88252.828
507	0	16928	12954	1050	2050	2812.3389	2803.4671	Cont	97702.328
508	0	16855	12559	1040	2040	2798.3325	2785.2149	Cont	59750.996
509	0	16794	12278	1010	2010	2786.1480	2770.7330	Cont	82037.507
510	0	16636	11660	930	1930	2753.7974	2735.9675	Cont	70964.671
511	0	16423	11034	910	1910	2719.9374	2702.5213	Cont	114405.16
512	0	16139	10301	850	1850	2668.4092	2656.7193	Cont	572830.68
513	0	15699	9542	810	1810	2605.7371	2601.3349	Cont	1117802.6
514	0	14963	8435	764	1764	2522.5293	2521.9391	Cont	809781.12
515	0	12500	6846	595	1595	2391.7801	2391.7781	Cont	1437697.7
516	0	17283	12480	1225	2225	2905.1746	2874.4075	Cont	204297.34
517	0	17150	13050	1130	2130	2873.4939	2861.7301	Cont	187505.17
518	0	16950	13300	1080	2080	2826.2130	2819.7446	Cont	70775.828
519	0	16940	13300	1080	2080	2826.1951	2819.7241	Cont	28068.334
520	0	16700	13150	1080	2080	2786.0305	2779.3136	Cont	171009.82
521	0	16500	12670	1110	2110	2745.9295	2736.7733	Cont	89622.492
522	0	16530	12330	1050	2050	2743.5787	2731.5049	Cont	116272

523	0	17758	10649	1484	2484	3084.5699	3037.4342	Cont	232642.84
524	0	5506	24899	0	0	0	0	Cont	0 1-2533
525	0	6447	26303	0	0	0	0	Cont	0 2-2642
526	0	7069	13079	0	0	0	0	Cont	0 3-2842
527	0	26439	26298	0	0	0	0	Cont	0 4-2643
528	0	5152	24460	0	0	0	0	Cont	0 5-2508
529	0	24908	24383	0	0	0	0	Cont	0 6-2483
530	0	4916	24385	0	0	0	0	Cont	0 7-2465
531	0	4845	23673	0	0	0	0	Cont	0 8-2460
532	0	7283	12480	0	0	0	0	Cont	0 10-2927
533	0	7288	27462	0	0	0	0	Cont	0 10T-2957
534	0	7729	10665	0	0	0	0	Cont	0 11-3234
535	0	7758	25649	0	0	0	0	Cont	0 11T-3215
536	0	6749	13388	0	0	0	0	Cont	0 13-2692
537	0	6281	12874	0	0	0	0	Cont	0 14-2138
538	0	5965	25190	0	0	0	0	Cont	0 WCS-2590

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TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	159033.37	0	943973.40	124724.17	0	1239706.5	
2	0	224234.20	0	0	6599.7086	304426.68	-0.000830	
3	0	112174.43	0	0	4041.1628	29511.520	146948.97	
4	0	309865.14	0	0	0	4337.9330	260734.96	
5	0	260560.20	0	0	2807.7688	0	303243.62	
6	0	224606.89	0	0	0	8180.5638	109079.93	
7	0	303548.97	0	0	403.05252	1727.9266	273617.84	
8	0	320063.18	0	0	2725.7745	0	343743.53	
9	0	446507.35	0	0	0	2920.4341	390047.89	
10	0	382827.08	0	0	1947.5288	470.44501	408924.91	
11	0	571302.12	0	0	3840.9911	2530.3568	595841.28	
12	0	268491.33	0	0	3372.2400	325508.00	-1.103710	
13	0	244857.58	0	0	882456.30	233109.83	907891.62	
14	0	106398.87	0	0	550471.08	0	694296.55	
15	0	381015.95	0	0	2222151.0	340.92907	2636213.1	
16	0	223356.85	0	2826849.1	433887.34	0	3500006.9	

17	0	341477.39	0	2.692e-10	494371.09	0	865657.07
18	0	394235.41	0	276134.33	196234.42	8918.4629	943973.39
19	0	309909.81	0	1.1571e-7	2626.9555	9619.8822	276134.33
20	0	108252.22	0	0	8063.8211	27942.725	-0.008446
21	0	292657.02	0	716787.69	10678.587	0	1141830.5
22	0	512252.58	0	0	3149.0550	4303.1912	491234.44
23	0	372472.58	0	0	7754.0158	6.1876489	452265.02
24	0	490116.64	0	0	440.30489	9748.4936	305408.73
25	0	564649.04	0	0	0	10638.790	345733.68
26	0	981234.89	0	0	3925.0954	7096.7840	863531.02
27	0	446478.70	0	0	1263.1045	29983.635	5531.3563
28	0	224629.56	0	71488.471	2941458.0	3343267.0	-79.65624
29	0	418108.70	0	1.1597e-8	2358262.6	4031.5208	2826848.2
30	0	396090.77	0	0	509581.27	963113.76	-0.230553
31	0	405064.77	0	0	0	26201.009	216605.96
32	0	115155.22	0	216605.96	13253.1	0	428041.86
33	0	54437.041	0	0	3403.5766	8582.9891	-21.11797
34	0	223261.66	0	0	2659.6289	2620.5674	225553.23
35	0	235875.04	0	452265.02	3254.6782	5018.4963	651071.08
36	0	208059.85	0	0	1090.7430	8169.2179	112233.11
37	0	142919.29	0	305408.73	6512.4037	2119.1214	472913.03
38	0	5859.6875	0	0	11763.121	11923.438	-0.004393
39	0	40724.562	0	0	517.04094	30688.313	71488.218
40	0	287470.47	0	0	1037258.1	1446885.4	-0.605294
41	0	148600.93	0	3.263e-10	19098.188	309861.60	-0.261523
42	0	303392.93	0	746228.87	20916.596	1266477.4	-0.501220
43	0	122462.77	0	488860.73	11280.229	0	691699.03
44	0	24081.895	0	0	20867.263	7177.7213	-34.18127
45	0	37624.437	0	0	242.35146	6542.989	60818.713
46	0	101947.35	0	112233.11	3087.0464	4971.8722	194970.89
47	0	7385.3541	0	15565.850	1654.2909	7397.3864	23949.046
48	26677.893	13869.895	0	418133.61	14319.565	0	473000.96
49	0	29985.583	0	0	1227.6435	65671.991	7064.7986
50	0	30568.770	0	0	386.48261	59661.558	-0.160676
51	0	28435.270	0	0	399.15044	80070.310	-0.171134
52	0	37170.541	0	0	936.07233	6629.5937	-0.052298
53	0	82123.625	0	0	847.10527	13662.278	-0.079889
54	0	22575.187	0	0	580.296	1306.2409	33057.585
55	0	5310.5	0	1564592.9	875.96651	67981.031	1502283.0
56	0	16908.875	0	0	1738.9419	1577.7150	11469.764
57	0	18238.583	0	0	466.79997	2994.1019	-0.025323
58	0	6871.9583	0	0	194.09979	2002.4506	-0.010807

59	0	7360.625	0	1557737.7	1052.6562	23109.551	1536088.0
60	13062.622	9004.4583	0	0	326.63507	734.91345	21658.802
61	18007.182	8484.375	0	0	835.06670	59.563040	27267.061
62	6192.3652	2764.375	0	0	552.34618	0	9509.0864
63	0	122048.87	0	345733.68	3182.2778	5784.468	418133.60
64	0	97721.708	0	0	2874.5988	7790.5815	29198.766
65	0	56103.375	0	0	1263.6380	9037.5170	-0.096636
66	0	16404.166	0	0	604.87238	3488.5995	-0.026642
67	0	47384.75	0	0	947.87324	9043.7568	-0.073325
68	0	31693.354	0	0	100.52959	7169.1535	-0.057188
69	0	80562	0	11469.764	7518.4680	12323.092	54529.607
70	0	900460.81	0	863531.02	8688.5779	1873744.7	-4.173400
71	3231.3216	3641.1458	0	0	12882.328	0	19754.795
72	12089.761	6143.9166	0	0	13164.719	688.43920	30709.958
73	0	15543.916	0	0	0	4394.5160	-0.019445
74	0	15932.291	0	0	0	4117.3129	-0.023049
75	0	19653.687	0	0	1811.3718	6572.7602	-0.044867
76	0	56365.104	0	0	10425.136	13889.407	-0.085657
77	0	37676.333	0	58773.331	4927.2327	23753.074	-0.044998
78	1990.9433	12504.791	0	0	12835.702	0	27331.437
79	0	22565	0	0	5013.0436	9637.1776	-0.005828
80	0	44786.812	0	0	5013.5857	14962.197	-0.008988
81	0	118620.60	0	1179372.0	32219.506	0	1371170.4
82	0	121935.91	0	0	20670.838	13620.919	37541.506
83	0	62112.458	0	0	2272.0087	3865.5933	-0.402934
84	0	71315.812	0	0	1852.2055	24931.829	-0.634946
85	0	52206.708	0	651071.08	15894.151	246.33493	750463.66
86	0	11031.604	0	945434.55	5342.9757	0	974593.94
87	0	12212.791	0	1500900.5	13592.136	0	1533706.6
88	5726.9317	4400.4375	0	0	18865.264	246.57687	21405.452
89	11631.754	4022.5	0	923525.71	66901.295	0	1006367.3
90	0	8870.5833	0	2508650.3	74201.946	0	2629223.7
91	0	14300.645	0	2636288.4	64507.906	0	2742624.1
92	0	71603.833	0	2742624.1	93608.289	0	2981395.8
93	0	139725.31	0	2986927.2	40283.304	850.50053	3244570.5
94	0	101222.64	0	3244570.5	2570.5762	3319628.7	-5.111882
95	0	179712.20	0	0	1931570.6	248804.39	1941175.1
96	0	25537.166	0	0	1484.0205	8468.4880	-0.011824
97	0	23438.145	0	0	1751.2637	2182.2605	20335.936
98	0	8846.9791	0	0	1196.5739	5296.6225	-14.34256
99	0	3508.5416	0	0	3203.8044	2199.3213	-0.203318
100	0	21376.229	0	0	102.30832	839.70978	15565.838

101	0	11202.812	0	0	0	2054.2643	81.434501
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112	0	0	0	0	768.65144	3373.6614	-0.000966
113	0	0	0	0	4874.7401	0	-0.000918
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115	0	0	0	0	3811.9564	962.87451	-0.000508
116	0	0	0	0	7559.1980	5020.2626	-0.009284
117	0	0	0	0	6653.4255	468.80485	-0.141156
118	0	0	0	0	1128.5181	266.28649	-0.004314
119	0	0	0	0	5084.1286	0	-1.615078
120	0	0	0	0	2840.5281	0	-0.022068
121	0	0	0	0	647.46155	0	-0.004010
122	0	0	0	0	1641.8855	0	-0.002553
123	0	0	0	0	10876.433	143.14556	-0.001646
124	0	0	0	0	5364.2842	10901.695	-0.004234
125	0	0	0	0	27618.432	39330.154	-0.337549
126	0	0	0	0	19461.298	0	-0.002540
127	0	0	0	0	6076.0534	8246.0542	-0.003777
128	0	0	0	0	14077.513	230.41357	-0.002413
129	0	0	0	0	850.49040	19124.544	-0.006725
130	0	0	0	0	0	21100.999	-0.006845
131	0	0	0	0	6892.4948	14005.032	-0.011152
132	0	0	0	0	2891.7810	57019.103	-0.067690
133	0	0	0	0	120890.44	57924.986	-154.1362
134	0	0	0	0	3431.1468	46.304747	-0.018104
135	0	0	0	0	6966.3068	1278.6785	-0.022910
136	0	0	0	0	0	31683.120	-0.020987
137	0	0	0	0	22011.726	0	-0.015685
138	0	0	0	0	8260.3614	13965.854	-42.51493
139	0	0	0	0	5119.0265	4955.9849	-0.012873
140	0	0	0	0	6236.1562	9796.5390	-0.022494
141	0	0	0	0	2455.3202	15443.215	-0.009586
142	0	0	0	0	11996.194	5426.2458	-0.018288

143	0	0	0	0	20127.152	21921.188	-0.004660
144	0	0	0	0	19901.146	11677.930	-23.62206
145	0	0	0	0	23783.100	1832.4250	-0.183370
146	0	0	0	0	33354.835	897.67421	-0.061410
147	0	0	0	0	36141.946	1708.9748	-0.098717
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149	0	0	0	0	14593.368	21479.232	-67.83354
150	0	0	0	0	11241.366	3749.9639	-18.93954
151	0	0	0	0	6198.6004	9446.4319	-0.029781
152	0	0	0	0	8600.0169	3670.7847	-12.21938
153	0	0	0	0	24012.591	0	24012.591
154	0	0	0	0	30668.834	23034.033	-20.21701
155	0	0	0	0	33271.574	29340.204	-22.82595
156	0	0	0	0	12634.777	3631.3831	-25.54748
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158	0	0	0	0	2293.8228	22919.779	-0.044646
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161	0	0	0	0	2714.2991	3275.2718	-0.010679
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171	0	0	0	0	1320.7116	5855.6158	-0.016727
172	0	0	0	0	2283.7477	15495.634	-0.039524
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174	0	0	0	0	13586.998	22595.924	-0.035391
175	0	0	0	0	16979.249	5309.4408	-0.755131
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177	0	0	0	0	23476.478	1262.8969	22213.581
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181	0	0	0	0	17008.221	26351.092	-0.048706
182	0	0	0	0	11497.467	39347.044	-0.019374
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187	0	0	0	0	25615.4	37526.651	0.0050690
188	0	0	0	0	2418.8766	9343.9390	-0.261837
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190	0	0	0	0	16054.842	7885.1593	-0.211218
191	0	0	0	0	6113.1797	2260.6284	-0.167556
192	0	0	0	0	9391.3328	4228.2384	-0.133075
193	0	0	0	0	8606.6454	10807.447	-0.073724
194	0	0	0	0	7732.9997	7565.1803	-0.073256
195	0	0	0	0	38125.494	30483.513	-0.121926
196	0	0	0	0	35861.023	31371.231	-0.143699
197	0	0	0	0	25073.813	10787.245	-0.253375
198	0	0	0	0	32905.973	21426.937	-0.417472
199	0	0	0	0	53926.289	115527.58	-0.977088
200	0	0	0	0	6058.3902	2513.7963	-0.022848
201	0	0	0	0	4275.0182	13669.574	-0.008684
202	0	0	0	0	3359.2876	4094.3670	-0.015237
203	0	0	0	0	2450.6557	4274.9799	-29.27816
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232	0	0	0	0	11884.613	15805.485	-0.004431
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259	0	0	0	0	33763.463	24879.276	-105.2488
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331	0	0	0	0	5353.0812	0	-0.004236
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353	0	0	0	0	31289.983	29590.985	-0.032132
354	0	0	0	0	70722.067	48818.801	-380.3844
355	0	0	0	0	52701.119	8427.0491	-0.052404
356	0	0	0	0	61172.430	12353.385	-0.037974
357	0	0	0	0	84016.288	9876.6527	-0.035163
358	0	0	0	0	32683.696	9905.5548	-0.031980
359	0	0	0	0	44406.959	55341.464	-277.6392
360	0	0	0	0	28960.985	19249.717	-265.5361
361	0	0	0	0	24358.188	30673.740	-0.032183
362	0	0	0	0	43787.107	47600.477	-148.0606
363	0	0	0	0	36596.825	23541.204	-0.051052
364	0	0	0	0	33048.507	16141.095	-265.3115
365	0	0	0	0	65675.138	55393.508	-301.3189
366	0	0	0	0	96735.465	79680.568	-362.4606
367	0	0	0	0	40008.581	40858.050	-0.170240
368	0	0	0	0	18353.374	39362.617	-0.020172
369	0	0	0	0	19636.508	17164.406	-200.2820
370	0	0	0	0	28185.196	30776.971	-185.2488
371	0	0	0	0	10160.033	12153.459	-0.032569
372	0	0	0	0	11760.503	15118.295	-0.172847
373	0	0	0	0	17980.180	19811.556	-0.136699
374	0	0	0	0	30012.829	34494.312	-136.6539
375	0	0	0	0	11995.858	9169.6556	-0.030549
376	0	0	0	0	24100.547	15169.77	-0.030424
377	0	0	0	0	11087.660	7392.9873	-0.024683
378	0	0	0	0	21733.606	40597.774	-0.007956
379	0	0	0	0	33812.732	58802.895	-0.009723
380	0	0	0	0	18858.825	33998.927	-0.021707
381	0	0	0	0	7070.5359	10790.463	-0.017635
382	0	0	0	0	13380.557	24351.338	-0.012693
383	0	0	0	0	14348.579	19010.672	-0.004930
384	0	0	0	0	45126.408	53587.553	-0.009856
385	0	0	0	0	60178.496	21667.115	-0.117269
386	0	0	0	0	18304.249	10120.922	-0.016907
387	0	0	0	0	35210.553	21195.638	-0.008518
388	0	0	0	0	12282.273	11480.265	-0.033406
389	0	0	0	0	18326.380	16124.525	-0.034936
390	0	0	0	0	22542.677	24459.082	-0.069943
391	0	0	0	0	42239.822	59260.206	-0.037045
392	0	0	0	0	47276.056	60718.325	-0.016124
393	0	0	0	0	30032.340	15703.177	-0.002220
394	0	0	0	0	28552.025	29272.693	-0.003669

395	0	0	0	0	37180.875	35312.877	-0.002257
396	0	0	0	0	13017.483	0	-0.000113
397	0	0	0	0	67007.180	98156.925	0.0481019
398	0	0	0	0	15002.567	34277.113	-0.322594
399	0	0	0	0	24973.590	39516.604	-0.050678
400	0	0	0	0	35167.174	24518.391	-0.009565
401	0	0	0	0	22805.806	19905.802	-0.079105
402	0	0	0	0	34820.568	38202.820	0.0513114
403	0	0	0	0	24448.998	28955.345	0.3045951
404	0	0	0	0	25265.465	27267.552	0.4396796
405	0	0	0	0	27550.334	14250.617	0.5898721
406	0	0	0	0	66358.911	56560.772	0.6833451
407	0	0	0	0	112254.93	85460.696	0.9985142
408	0	0	0	0	112779.44	80933.375	0.0874031
409	0	0	0	0	413369.34	404546.74	-0.195064
410	0	0	0	0	22198.744	864.94184	-0.022926
411	0	0	0	0	22615.771	22569.249	-0.005815
412	0	0	0	0	13475.346	14343.705	-0.012891
413	0	0	0	0	18553.259	21709.021	-133.4351
414	0	0	0	0	22816.902	25910.042	-0.125861
415	0	0	0	0	16058.085	17682.215	-0.002741
416	0	0	0	0	19340.213	22656.539	-0.051578
417	0	0	0	0	26520.531	28605.775	-0.001894
418	0	0	0	0	47276.056	47276.056	-1.64e-10
419	[DELETED]						
420	[DELETED]						
421	0	0	0	0	6383.3437	0	-0.000208
422	0	0	0	0	24181.167	4296.5281	-0.000544
423	0	0	0	0	35800.799	12082.465	11.831278
424	0	0	0	0	4856.1942	11239.574	-0.000566
425	0	0	0	0	9778.4457	0	-7.537e-5
426	0	0	0	0	0	23864.875	-0.000616
427	0	0	0	0	967.12285	11811.667	-0.000725
428	0	0	0	0	1074.3484	2332.5737	-0.000633
429	0	0	0	0	2740.1538	20073.791	-0.000505
430	0	0	0	0	11785.859	4829.3721	-0.000224
431	0	0	0	0	24131.958	17367.460	-0.003063
432	0	0	0	0	20801.201	5396.3231	-0.008907
433	0	0	0	0	5937.0365	0	-0.001302
434	0	0	0	0	16993.086	0	-221.7723
435	0	0	0	0	12428.183	0	-0.008188
436	0	0	0	0	8059.5466	0	-0.003590

437	0	0	0	0	13495.111	0	-0.001850
438	0	0	0	0	29542.032	5856.6318	-0.001102
439	0	0	0	0	25194.004	27595.814	-0.003755
440	0	0	0	0	112156.14	139239.75	-2.020861
441	0	0	0	0	23738.726	1769.3608	-0.002389
442	0	0	0	0	20057.079	26874.320	-0.002685
443	0	0	0	0	20226.224	13474.608	-0.001484
444	0	0	0	0	2143.2412	57596.893	-0.005123
445	0	0	0	0	0	66524.584	-0.004532
446	0	0	0	0	17132.191	67199.312	-0.005237
447	0	0	0	0	22994.244	123010.31	-0.032952
448	0	0	0	0	1032711.9	1008103.4	-1538.276
449	0	0	0	0	25948.837	4376.7976	-0.010025
450	0	0	0	0	27178.966	8168.9134	-0.004275
451	0	0	0	0	15029.515	37901.923	-0.019721
452	0	0	0	0	19401.701	16369.778	-0.017324
453	0	0	0	0	50959.110	69915.221	-1043.398
454	0	0	0	0	13499.586	13088.044	-0.010430
455	0	0	0	0	17574.818	28390.462	-0.012110
456	0	0	0	0	16127.950	35711.623	-0.006136
457	0	0	0	0	28126.249	28668.539	-0.019340
458	0	0	0	0	18832.107	18815.281	-0.064762
459	0	0	0	0	140145.13	125738.26	-987.3825
460	0	0	0	0	33334.013	10407.913	-0.028242
461	0	0	0	0	30043.919	14266.436	-0.032085
462	0	0	0	0	47253.290	14133.147	-0.025165
463	0	0	0	0	18808.343	15362.690	-0.025168
464	0	0	0	0	73167.138	84202.421	-705.6982
465	0	0	0	0	38723.636	37991.204	-680.3379
466	0	0	0	0	22246.685	25089.113	-0.024835
467	0	0	0	0	75722.113	75138.842	-376.9318
468	0	0	0	0	29024.066	26971.119	-0.070824
469	0	0	0	0	81634.675	74603.796	-675.5080
470	0	0	0	0	123295.47	116159.24	-767.8867
471	0	0	0	0	283604.48	273949.26	-924.4594
472	0	0	0	0	12526.176	16880.270	-0.044734
473	0	0	0	0	18055.561	19702.044	-0.013896
474	0	0	0	0	32093.934	31584.130	-509.5098
475	0	0	0	0	56435.674	53341.404	-474.1822
476	0	0	0	0	7871.6278	8552.7648	-0.031680
477	0	0	0	0	7341.4097	9037.9422	-0.032577
478	0	0	0	0	4678.9350	4809.1782	-0.021430

479	0	0	0	0	47733.937	46518.072	-350.5797
480	0	0	0	0	12372.129	11379.687	-0.032999
481	0	0	0	0	20722.378	18922.964	-0.046900
482	0	0	0	0	9533.4514	9069.0690	-0.041025
483	0	0	0	0	21689.319	32623.756	-0.009072
484	0	0	0	0	33831.675	44997.880	-0.012584
485	0	0	0	0	16065.308	17727.761	-0.018137
486	0	0	0	0	6203.7866	6149.5131	-0.019977
487	0	0	0	0	11691.774	10754.391	-0.008392
488	0	0	0	0	13270.403	11935.639	1.572e-10
489	0	0	0	0	24801.845	26516.369	9.185e-11
490	0	0	0	0	50557.986	21269.675	-0.031174
491	0	0	0	0	8536.5436	8194.1344	-0.032976
492	0	0	0	0	20911.242	19807.545	-0.014741
493	0	0	0	0	14689.390	13829.059	-0.033521
494	0	0	0	0	18275.855	17397.306	-0.038618
495	0	0	0	0	19272.975	19089.902	-0.070443
496	0	0	0	0	35913.256	40754.01	-0.044248
497	0	0	0	0	38061.953	40282.280	-0.022122
498	0	0	0	0	12295.477	11608.267	-4.02e-11
499	0	0	0	0	19004.132	19246.547	-0.004883
500	0	0	0	0	28162.954	26863.396	0.0021408
501	0	0	0	0	14301.529	0	-0.000408
502	0	0	0	0	99670.836	127484.57	0.2065333
503	0	0	0	0	41114.523	63266.211	-0.572604
504	0	0	0	0	50483.277	62526.350	0.0427446
505	0	0	0	0	36943.363	35486.787	0.1260881
506	0	0	0	0	38599.791	37401.493	-0.082536
507	0	0	0	0	63119.677	62210.677	0.2795753
508	0	0	0	0	39561.364	37856.984	0.8834566
509	0	0	0	0	41101.371	38228.014	1.1969891
510	0	0	0	0	60632.425	53704.961	1.6192510
511	0	0	0	0	107224.22	99810.502	1.8678541
512	0	0	0	0	270221.45	257696.63	2.8118876
513	0	0	0	0	133048.62	116986.78	0.5517621
514	0	0	0	0	1002744.2	981264.34	0.1319503
515	0	0	0	0	42115.410	0	-3.304e-6
516	0	0	0	0	19881.383	19375.359	-0.004198
517	0	0	0	0	12949.397	13009.495	-0.010330
518	0	0	0	0	30625.039	30205.827	-337.5095
519	0	0	0	0	44953.175	44187.244	-0.012363
520	0	0	0	0	7519.5140	8060.7709	1.003e-10

521	0	0	0	0	5814.1167	6267.1474	-0.006373	
522	0	0	0	0	8214.5547	8596.7247	-9.83e-11	
523	0	0	0	0	36807.538	36807.538	1.871e-10	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643
528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	411	-15036.36993							
-1	19	15988299.42							

Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area

Gradient	0.04143	0.18512	0.22740	0.29074	0.05274	0.05484	0.05369	0.06265	0.07389	0.03906	0.00015	0.01071	Grad
Angle deg	205.23	194.74	203.81	233.45	201.57	201.14	177.1	179.91	135.18	153.61	153.61	252.48	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2
Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3
Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.02311	0.19503	0.20175	0.00029	0.01503	0.23032	0.23798	0.21155	0.16454	0.14172	0.23196	0.07156	Grad
Angle deg	179.86	213.18	145.62	155.84	210.85	145.68	148.49	149.36	49.82	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45108	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	172.05	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area
Gradient	0.44994	0.05837	0.36796	0.18840	0.36470	0.54730	0.03767	0.03558	0.04063	0.20648	0.19266	0.51559	Grad
Angle deg	155.71	278.15	193.95	160.51	188.42	173.62	143.58	214.61	198.2	237.41	275.31	161.92	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.19058	0.36270	0.03388	0.18324	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad
Angle deg	15.02	155.41	210	176.44	170.43	55.41	114.27	123.01	203.71	93.88	90.72	184.86	Angle

ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.37775	1.07095	0.46474	0.55682	0.07646	0.04223	0.11872	0.46536	Grad
Angle deg	158.37	176.09	148.11	164.69	161.15	139.32	159.73	166.69	245.89	280.81	254.85	162.12	Angle

ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.47925	0.46867	0.43049	0.40184	0.24730	0.06969	0.04834	0.19604	0.24844	0.36414	0.32048	0.03837	Grad
Angle deg	170.76	180.17	182.72	178.25	188.62	182.66	214.53	135.02	3.19	183.56	190.09	225.6	Angle

ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.19251	0.24070	0.26506	0.31928	0.29961	0.25886	0.18220	0.04604	0.17321	0.56537	1.29760	1.15639	Grad
Angle deg	139.71	220.19	169.69	165.58	201.47	201.47	176.27	316.79	182.85	168.66	194.03	185	Angle

ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.09833	0.53689	0.07540	0.15192	0.13151	0.32695	0.31961	0.35144	0.26169	0.04195	0.32997	0.36282	Grad
Angle deg	355.88	164.43	317.5	253.87	299.31	178.14	176.45	168.45	102.31	126.7	187.14	182.25	Angle

ELEM	109	110	111	112	[D]	[D]	[D]	116	117	118	119	120	ELEM

Node1	47	47	102	59				73	90	49	52	44	Node1
Node2	58	58	101	101				60	60	102	101	45	Node2
Node3	57	59	52	102				90	89	52	57	43	Node3
Matl	6	6	2	2				2	2	2	2	2	Matl
Soil	1	1	1	1				1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985				44572	90640	113504	73412	264604	Area
Gradient	0.15466	0.20871	0.19069	0.22192				0.47754	0.19985	0.19694	0.18140	0.31858	Grad
Angle deg	52.26	342.67	252.23	312.66				145.35	204.52	252.33	187.47	208.67	Angle

ELEM	[D]	[D]	[D]	124	125	126	127	128	129	130	131	132	ELEM
Node1				77	37	38	38	63	79	48	60	73	Node1
Node2				76	63	79	77	80	64	80	73	74	Node2
Node3				27	80	80	79	79	77	72	61	61	Node3
Matl				3	2	3	3	2	2	3	3	3	Matl
Soil				1	1	1	1	1	1	1	1	1	Soil
Area ft^2				294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient				0.48841	0.48999	0.59223	1.46074	0.48985	0.61930	0.93121	0.09647	0.08253	Grad
Angle deg				161.09	172.78	182.38	139.62	177.52	132.37	190.39	18.53	6.87	Angle

ELEM	133	134	135	136	137	138	139	[D]	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77		71	3	3	20	Node1
Node2	74	78	75	74	78	74	71		78	81	20	82	Node2
Node3	91	62	76	78	76	75	38		77	82	82	83	Node3
Matl	3	3	3	3	3	3	3		3	7	7	7	Matl
Soil	1	1	1	1	1	1	1		1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	Area
Gradient	0.31102	0.09814	0.38572	0.10496	0.72690	0.38072	1.61219		1.31215	0.11912	0.11900	0.00446	Grad
Angle deg	184.33	356.57	185.76	304.09	106.2	143.93	141.33		122.97	90	90.94	115.99	Angle

ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM
Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00396	0.02469	0.02626	0.15998	0.15992	0.02902	0.02902	0.01445	0.01496	0.02531	0.02531	0.10676	Grad
Angle deg	78.88	271.77	255.98	267.72	270	270	270	90	105.82	270	270	270	Angle

ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1
Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2

Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.10676	0.12944	0.12944	0.03194	0.03083	0.08025	0.07931	0.04888	0.04582	0.04363	0.29338	0.27509	Grad
Angle deg	270	270	270	270	261.73	266.83	264.49	261.03	243.43	243.43	155.35	134.08	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.06259	1.16242	0.81059	0.34970	0.34239	0.35701	0.01928	0.07144	0.07147	0.10282	0.10268	0.09263	Grad
Angle deg	180	195.45	203.46	184.44	188.4	176.81	47.12	266.72	270	312.43	313.29	48.2	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.19379	0.18727	0.20371	0.37353	0.40340	0.04209	0.18359	0.22544	0.27862	0.06181	0.05414	0.05350	Grad
Angle deg	337.46	313.89	307.65	157.35	157.8	203.43	194.41	203.56	230.94	197.47	198.44	177.87	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2
Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06282	0.07222	0.04245	0.00127	0.01136	0.02458	0.18905	0.19514	0.00349	0.01715	0.22405	0.23389	Grad
Angle deg	179.54	137.6	154.11	170.65	246.88	180.13	212.81	146.13	176.49	205.03	146.1	149.68	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3
Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.20408	0.14714	0.13077	0.21812	0.06909	0.21270	0.15654	0.18612	0.15203	0.05126	0.08138	0.07620	Grad
Angle deg	150.88	52.03	220.02	177.36	56.22	131.36	200.43	177.33	82.2	343.61	15.1	357.9	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM
Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1
Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10168	0.11175	0.12307	0.12936	0.43253	0.43037	0.05547	0.31070	0.18530	0.31059	0.46626	0.04325	Grad
Angle deg	251.17	252.65	249.63	220.59	172.36	156.44	211.91	189.5	161.36	189.18	174.04	157.27	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.04279	0.04624	0.19789	0.17835	0.44104	0.18610	0.20085	0.18073	0.32833	0.03899	0.16603	0.17128	Grad
Angle deg	204.09	196.63	235.58	269.06	164.94	18.38	156.31	205.17	176.29	170.56	57.81	116.23	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14641	0.02472	0.17631	0.16533	0.35655	0.34897	0.25536	0.21421	0.20937	0.43121	0.94124	0.43868	Grad
Angle deg	124.1	182.47	96.22	94.53	183.59	159.91	176.15	153.58	164.25	157.44	136.76	158.82	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area

Gradient	0.47410	0.08289	0.06234	0.11289	0.40351	0.41940	0.41366	0.39382	0.36604	0.24979	0.07776	0.07783	Grad
Angle deg	167.61	219.95	221.3	235.87	164.22	173.47	181.07	182.57	177.78	185.17	172.07	202.1	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2
Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3
Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.17707	0.20153	0.33032	0.29487	0.04294	0.19072	0.22809	0.25246	0.30918	0.28922	0.26423	0.22798	Grad
Angle deg	146.53	1.22	184.74	190.74	223.05	141.27	216.8	171.04	166.32	198.92	198.68	189.71	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	0.04384	0.23207	0.57326	1.19018	1.05005	0.05156	0.42160	0.04383	0.14935	0.10120	0.29458	0.28836	Grad
Angle deg	289.34	186.02	170.42	194.03	184.05	355.88	165.97	288.11	239.45	282.28	179.54	178.04	Angle

ELEM	289	290	291	292	293	294	295	296	297	[D]	[D]	[D]	ELEM
Node1	161	161	159	203	191	152	152	207	164				Node1
Node2	174	162	158	202	151	163	163	206	206				Node2
Node3	162	205	205	151	190	162	164	157	207				Node3
Matl	12	12	12	12	12	16	16	12	12				Matl
Soil	2	2	2	2	2	2	2	2	2				Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985				Area
Gradient	0.30078	0.19252	0.06421	0.32066	0.34472	0.07170	0.12298	0.15534	0.15161				Grad
Angle deg	173.95	110.68	156.3	187.65	183.03	54.63	331.43	244.61	302.97				Angle

ELEM	301	302	303	304	305	[D]	[D]	[D]	309	310	311	312	ELEM
Node1	178	195	154	157	149				182	142	143	143	Node1
Node2	165	165	207	206	150				181	168	184	182	Node2
Node3	195	194	157	162	148				132	185	185	184	Node3
Matl	12	12	12	12	12				13	12	13	13	Matl
Soil	2	2	2	2	2				2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604				294860	416524.	39625	15670	Area
Gradient	0.37423	0.17836	0.16779	0.15257	0.29284				0.40662	0.50312	0.53758	1.22203	Grad
Angle deg	149.05	204.6	245.41	192.71	207.38				156.47	175.85	180.5	141.14	Angle

ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.50403	0.60135	0.80850	0.04161	0.03946	0.26416	0.05146	0.36799	0.06362	0.67804	0.32011	1.43462	Grad
Angle deg	178.82	137.24	190.39	18.53	15.09	183.34	356.57	179.79	292.66	108.03	144.86	143.59	Angle

ELEM	[D]	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1		176	108	108	125	125	138	138	149	149	150	150	Node1
Node2		183	186	125	187	138	188	149	189	150	190	159	Node2
Node3		182	187	187	188	188	189	189	190	190	191	191	Node3
Matl		13	17	17	17	17	17	17	17	17	17	17	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient		1.12588	0.11016	0.11023	0.00577	0.00444	0.02615	0.02633	0.14124	0.14125	0.03225	0.03218	Grad
Angle deg		122.97	93.74	91.81	127.24	83.64	271.07	267.82	269.59	268.78	264.69	267.64	Angle

ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.00158	0.00247	0.03804	0.03857	0.09449	0.09475	0.11214	0.11233	0.03611	0.03631	0.07279	0.07259	Grad
Angle deg	213.29	200.9	260.91	251.5	262.56	254.56	257	259.96	237.17	236.06	253.82	248.78	Angle

ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.04907	0.04916	0.04810	0.05131	0.05256	0.05246	0.98248	0.64083	0.31059	0.31558	0.34025	0.00668	Grad
Angle deg	237.63	236.02	235.86	216.46	216.67	212.74	194.9	204.47	190.62	187.09	179.28	187.02	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM

Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area
Gradient	0.05880	0.05893	0.06838	0.07129	0.04245	0.12050	0.13335	0.14909	0.43121	0.43121	0.04396	0.17908	Grad
Angle deg	267.74	264.14	296.91	291.52	52.11	329.38	302.56	296.95	157.44	157.44	198.94	193.51	Angle

ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.22131	0.25818	0.07045	0.05323	0.05279	0.06159	0.06645	0.05021	0.00438	0.01342	0.02827	0.17673	Grad
Angle deg	203.16	226.07	194.58	195.85	180.13	178.72	144.8	155.3	173.33	234.52	180.71	211.84	Angle

ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.18128	0.01147	0.02310	0.20916	0.22245	0.19148	0.11800	0.11303	0.19510	0.06541	0.19248	0.13358	Grad
Angle deg	147.54	177.9	195.72	147.29	152.08	153.82	57.14	215.14	175.16	62.46	130.41	193.5	Angle

ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM
Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16088	0.13867	0.04219	0.06938	0.06388	0.09556	0.10771	0.11985	0.13644	0.40028	0.39677	0.11901	Grad
Angle deg	173.81	83.63	346.11	17.24	353.22	250.08	252.06	248.81	213.25	172.83	157.72	176.74	Angle

ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1
Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2

Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.22622	0.17342	0.22581	0.32524	0.06111	0.06175	0.05958	0.18043	0.15438	0.32416	0.11091	0.18769	Grad
Angle deg	180.59	163.94	190.02	175.72	175.7	191.43	194.02	230.73	258.21	171.31	28.99	158	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.16797	0.27544	0.04801	0.13792	0.15520	0.13887	0.03612	0.15825	0.16041	0.33428	0.32814	0.25625	Grad
Angle deg	196.94	175.98	170.9	63.29	120.02	126.21	162.77	100.89	101.16	181.39	162.68	176.28	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.22400	0.22359	0.46797	0.76765	0.39534	0.36849	0.11292	0.12324	0.12605	0.29613	0.31361	0.31296	Grad
Angle deg	161.81	163.76	157.11	133.49	157.26	169.26	195.14	196.94	210.29	170.13	179.46	182.77	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2
Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.31843	0.29800	0.24067	0.09898	0.12205	0.16510	0.12666	0.27857	0.25604	0.05054	0.18711	0.20965	Grad
Angle deg	182.22	177.86	181.62	167.74	195.48	166.26	355.4	187.04	191.77	218.23	143.98	210.79	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3
Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.23259	0.29187	0.27278	0.27123	0.28510	0.05115	0.29321	0.56473	1.04297	0.91218	0.00757	0.29105	Grad
Angle deg	173.34	167.59	194.7	194.66	197.51	262.54	188.62	172.88	194.03	183.19	355.88	169.5	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM
Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1
Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.05660	0.15473	0.08848	0.25349	0.24527	0.24402	0.13209	0.10742	0.30446	0.31684	0.02743	0.05287	Grad
Angle deg	209.16	218.73	241.28	182.28	180.14	180.73	134.65	173.16	188.41	184.44	176.24	273.86	Angle

ELEM	481	482	[D]	[D]	[D]	486	487	488	489	490	[D]	[D]	ELEM
Node1	312	269				283	300	259	262	254			Node1
Node2	311	311				270	270	312	311	255			Node2
Node3	262	312				300	299	262	267	253			Node3
Matl	22	22				22	22	22	22	22			Matl
Soil	2	2				2	2	2	2	2			Soil
Area ft^2	58460	56985				44572	90640	113504	73412	264604			Area
Gradient	0.11543	0.08097				0.25598	0.14415	0.12834	0.11830	0.25384			Grad
Angle deg	228.22	262.34				154.82	204.69	231.14	201.14	204.7			Angle

ELEM	[D]	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1		287	247	248	248	273	289	258	270	283	283	284	Node1
Node2		286	273	289	287	290	274	290	283	284	284	288	Node2
Node3		237	290	290	289	289	287	282	271	271	301	272	Node3
Matl		23	22	23	23	22	22	23	23	23	23	23	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient		0.31725	0.50713	0.48483	0.95756	0.50775	0.56414	0.67326	0.00798	0.00974	0.21067	0.00756	Grad
Angle deg		149.19	179.46	179.14	144.48	180.34	144.19	190.39	198.53	102.08	182.23	356.57	Angle

ELEM	505	506	507	508	509	[D]	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287		281	213	213	230	230	243	Node1
Node2	285	284	288	284	281		288	291	230	292	243	293	Node2
Node3	286	288	286	285	248		287	292	292	293	293	294	Node3
Matl	23	23	23	23	23		23	27	27	27	27	27	Matl
Soil	2	2	2	2	2		2	2	2	2	2	2	Soil
Area ft^2	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	7315	3675	Area

Gradient	0.33768	0.03880	0.59461	0.24698	1.20437		0.88700	0.09495	0.09502	0.00611	0.00519	0.02728	Grad
Angle deg	173.13	254.61	110.51	147.87	147.15		122.97	93.78	91.82	119.62	83.11	271.3	Angle

ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2
Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.02740	0.11189	0.11190	0.03737	0.03733	0.02148	0.02153	0.05113	0.05133	0.08024	0.08049	0.09080	Grad
Angle deg	268.94	269.74	268.61	265.84	267.53	265.7	264.27	262.08	255.76	260.95	255.01	256.75	Angle

ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.09086	0.04228	0.04259	0.06694	0.06694	0.05400	0.05414	0.05252	0.05472	0.05134	0.05094	0.79562	Grad
Angle deg	258.49	244.61	241.87	252.54	246.48	240.34	236.27	236.05	220.51	220.22	212.93	194.32	Angle

ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area
Gradient	0.47627	0.27331	0.28484	0.31493	0.04580	0.04812	0.04842	0.05285	0.06770	0.04043	0.05691	0.08064	Grad
Angle deg	205.99	197.7	186.08	183.03	207.07	267.44	261.63	242.3	239.12	201.46	266.73	262.11	Angle

ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.09125	0.46797	0.46797	0.04703	0.17236	0.21466	0.23220	0.08093	0.05166	0.05137	0.05988	0.06091	Grad
Angle deg	261.69	157.11	157.11	192.89	192.06	202.45	217.77	191.96	192.7	184.11	177.08	155.51	Angle

ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.05912	0.00922	0.01711	0.03325	0.16001	0.16264	0.02195	0.03199	0.18803	0.20670	0.17287	0.07868	Grad
Angle deg	156.92	175.32	221.48	181.36	210.31	149.8	178.37	189.59	149.39	156	158.91	69.89	Angle

ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09063	0.16430	0.06139	0.16381	0.10618	0.12766	0.11975	0.02877	0.05174	0.04672	0.08659	0.10165	Grad
Angle deg	206.11	171.29	72.07	128.74	179.97	166.75	86.59	351.86	22.15	342.42	247.91	250.85	Angle

ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11457	0.14921	0.35343	0.34849	0.17912	0.15690	0.15862	0.14844	0.18292	0.08299	0.08310	0.07572	Grad
Angle deg	247.41	204.18	173.63	159.72	169.15	166.86	167.69	188.58	179.88	184.91	186.02	191.91	Angle

ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.15940	0.13177	0.20792	0.04737	0.16984	0.15565	0.21414	0.06176	0.10281	0.13450	0.12763	0.05448	Grad
Angle deg	223.2	242.37	184.26	79.45	160.44	186.82	175.51	171.69	76.01	126.48	129.97	152.01	Angle

ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM

Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area
Gradient	0.13623	0.15544	0.30442	0.30049	0.25502	0.23845	0.23785	0.44378	0.34176	0.33997	0.28193	0.15227	Grad
Angle deg	109.21	110.56	178.26	166.69	176.44	170.35	164.06	158	142.05	156.72	171.35	182.54	Angle

ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.17620	0.15496	0.19078	0.20529	0.20450	0.23061	0.21918	0.22263	0.12850	0.16443	0.17263	0.04847	Grad
Angle deg	187.52	191.2	181.78	189.04	186.21	182.19	178.89	178.63	169.26	192.98	185.86	328.8	Angle

ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.21907	0.21173	0.06166	0.18090	0.18957	0.20813	0.26722	0.25140	0.27487	0.29319	0.14667	0.30086	Grad
Angle deg	190.63	192.7	210.5	148.04	202.14	176.36	169.31	189.02	190.1	194.31	190.6	187.57	Angle

ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM
Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.48578	0.35788	0.36751	0.19511	0.25256	0.11826	0.16943	0.13331	0.26590	0.23338	0.24209	0.15858	Grad
Angle deg	175.28	167.51	172.6	164.64	172.51	186	198.61	215.4	185.9	177.62	174.09	140.37	Angle

ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1
Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2

Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.15038	0.28679	0.28403	0.07220	0.07265	0.07930	0.07804	0.15196	0.12914	0.13230	0.23701	0.19023	Grad
Angle deg	178.47	187.99	186.46	211.26	216.19	217.33	217.92	191.67	175.32	173.54	167.14	185.18	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.08155	0.07972	0.20983	0.20734	0.25201	0.21549	0.26785	0.44893	0.31128	0.40566	0.44920	0.46642	Grad
Angle deg	218.56	211.65	199.75	165.31	154.67	172.7	147.63	180.74	169.78	155.16	181.09	153.81	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.26335	0.14586	0.14673	0.21268	0.21299	0.29730	0.21531	0.32976	0.22320	0.38538	0.24509	0.32849	Grad
Angle deg	176	176	176.88	179.36	154.24	169.08	162.64	140.41	161.78	155.05	157.29	147.85	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2
Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.07206	0.07211	0.00634	0.00581	0.02596	0.02604	0.07588	0.07590	0.04343	0.04342	0.04477	0.04482	Grad
Angle deg	93.81	91.83	111.38	83.28	271.5	269.82	269.93	268.22	266.9	267.42	267.5	266.44	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.05278	0.05290	0.06162	0.06180	0.06358	0.06359	0.04953	0.04977	0.06120	0.06149	0.05957	0.05965	Grad
Angle deg	262.04	256.99	258.85	255.26	255.69	255.39	251.11	246.27	250.9	243.75	242.83	236.58	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM
Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1
Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.05780	0.05993	0.04897	0.04853	0.39317	0.27439	0.26499	0.27376	0.28660	0.07151	0.04754	0.04786	Grad
Angle deg	236.36	221.53	220.76	212.91	189.94	195.25	194.44	186.36	188.11	217.89	266.64	261.22	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.07154	0.08227	0.07495	0.07452	0.07818	0.07829	0.44378	0.44378	0.05352	0.15883	0.19861	0.19817	Grad
Angle deg	218.14	219.44	212.33	216.06	219.91	219.97	158	158	182.65	188.69	200.34	199.12	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.09167	0.05064	0.05061	0.05478	0.05461	0.06758	0.01831	0.02415	0.03980	0.13205	0.13227	0.03571	Grad
Angle deg	187.03	184.09	187.52	177.14	175.85	160.6	180.32	206.83	182.14	207.32	154.2	179.22	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area

Gradient	0.04658	0.15066	0.17697	0.14979	0.04630	0.06538	0.11910	0.05677	0.11442	0.07916	0.08375	0.08794	Grad
Angle deg	187.42	154.87	163.75	168.07	123.87	182.64	162.59	89.32	124.56	146.97	145.5	97.25	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2
Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3
Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00646	0.02109	0.02561	0.07029	0.08942	0.10147	0.17415	0.27235	0.26718	0.17068	0.10188	0.12289	Grad
Angle deg	62.36	54.12	288.68	240.37	246.41	243.42	191.96	174.56	163.56	171.47	162.04	175.42	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.09322	0.08448	0.09570	0.09577	0.09163	0.13096	0.10648	0.12207	0.07200	0.14013	0.14404	0.16633	Grad
Angle deg	183.73	188.11	186.64	187.12	189.87	210.36	221.69	203.27	153.05	164.7	179.68	175.24	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area
Gradient	0.07979	0.06942	0.10623	0.10647	0.08092	0.11097	0.14620	0.25424	0.25378	0.23839	0.24024	0.23579	Grad
Angle deg	173.27	113.72	140.3	140.07	148.82	127.64	125.79	173.84	172.48	176.62	177.24	168.54	Angle

ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.35021	0.18913	0.26301	0.23489	0.15812	0.16827	0.15831	0.10648	0.10787	0.10602	0.11877	0.12948	Grad
Angle deg	162.74	161.45	161.99	173.18	180.48	182.89	177.46	194.99	195.88	190.14	185.74	190.05	Angle

ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.16198	0.15607	0.17996	0.17688	0.04684	0.17192	0.17299	0.07717	0.16106	0.16537	0.17661	0.22334	Grad
Angle deg	184.22	183.96	191.51	194.61	221.59	193.1	192.71	201.62	155.63	193.69	179.09	171.7	Angle

ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.21500	0.25503	0.26728	0.18332	0.27129	0.36119	0.22453	0.21976	0.21254	0.29361	0.15973	0.16069	Grad
Angle deg	181.49	184.73	188.48	183.87	185.56	178.16	174.13	170.53	173.65	171.12	179.69	180.02	Angle

ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.15851	0.12819	0.14967	0.15618	0.15740	0.17582	0.24559	0.23877	0.14169	0.12141	0.17729	0.15208	Grad
Angle deg	183.77	189.22	195.94	186.96	187.17	188.46	186.38	188.06	174.13	191.55	190.03	190.86	Angle

ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.18273	0.16172	0.14897	0.27973	0.23743	0.17218	0.17678	0.17287	0.20128	0.20463	0.19724	0.21501	Grad
Angle deg	183.75	165.15	169.89	166.91	178.92	186.03	190.35	193.03	173.53	172.09	170.25	156.15	Angle

ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM

Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area
Gradient	0.34216	0.23749	0.22263	0.34265	0.34247	0.20465	0.17783	0.18589	0.22611	0.21591	0.23947	0.22018	Grad
Angle deg	181.69	171.85	177.43	182.39	165.36	171.01	174.85	180.97	181.66	169.87	172.27	173.44	Angle

ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.23815	0.22777	0.22359	0.20730	0.19071	0.03997	0.04000	0.00547	0.00530	0.02125	0.02128	0.04322	Grad
Angle deg	165.36	172.18	177.34	169.59	175.16	93.8	91.74	102.86	81.87	272.02	271.1	270.54	Angle

ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.04323	0.04306	0.04306	0.04428	0.04430	0.04549	0.04554	0.05037	0.05052	0.05450	0.05456	0.05059	Grad
Angle deg	267.87	267.86	267.87	267.93	267.34	262.42	257.93	259.1	255.22	256.32	253.89	252.58	Angle

ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM
Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.05073	0.05830	0.05873	0.06333	0.06325	0.05973	0.06169	0.04490	0.04443	0.30208	0.25275	0.24965	Grad
Angle deg	247.79	250.8	242.41	244.57	237.55	237.2	222.37	221.38	212.95	186.8	188.54	188.15	Angle

ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1
Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2

Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.25089	0.24114	0.14815	0.04695	0.04716	0.14954	0.15354	0.17074	0.16150	0.15847	0.15805	0.35021	Grad
Angle deg	187.14	189.71	196.52	267.49	262.69	194.7	195.68	189.97	196.47	186.32	185.84	162.74	Angle

ELEM	925	ELEM
Node1	484	Node1
Node2	447	Node2
Node3	523	Node3
Matl	42	Matl
Soil	2	Soil
Area ft^2	377244	Area
Gradient	0.35021	Grad
Angle deg	162.74	Angle

Model Parameters and Output

During Mining Condition

Domain and analysis parameters

Number of nodes..... 538
Number of elements..... 925
Number of materials..... 48
Number of soils..... 2
Number of connections.... 408
Number of injections..... 0
Number of particles..... 0

Length unit..... feet
Time unit..... year

Analysis time..... 10 year

Tolerance..... 0.001 feet
Relaxation..... 1
Max head change/cycle.... 100 feet
Timestep size..... 10 year
Substeps/timestep..... 10
Max cycles/timestep..... 10000000
Analysis type..... Transient
Aquifer type..... Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode..... OFF

Number of traces..... 0
Timestep size..... 1 year
Substeps/timestep..... 20

TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Material data

Mat'l #	--Hydraulic Conductivity-- (major)	(minor)	(z)	Major Angle	Specific Storage	Storage Coeff	Effect. Porosity	--Dispersivity--- Long	T'verse	Retard'n	Label

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/N
7	100	100	100	0	1.000e-1	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	West Lime
9	400	400	400	0	1.000e-1	0	0	0	0	0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
17	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
27	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
37	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
39	2	2	1	0	1.000e-7	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/N
47	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	West Lime

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Soil data

Soil #	Spec. Dist. Inflow [L^3/T]	Label	Soil #	Spec. Dist. Inflow [L^3/T]	Label
1	0.125	1.5"/yr	2	0	Lower layers

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Connection data

Conn #	Node 1	Node 2	Sat Cond [L^2/T]	Cur Cond [L^2/T]	Tr. Delay [LT]	Flow 1->2 [L^3/T]	Type
1	1	106	6359.3477	6359.3477	0	-11950.13	Lay
2	2	107	8962.0873	8962.0873	0	-73529.77	Lay
3	3	108	9690.085	9690.085	0	-60233.44	Lay
4	4	109	8263.0705	8263.0705	0	44836.448	Lay
5	5	110	6948.2722	6948.2722	0	-39854.08	Lay
6	6	111	5989.5172	5989.5172	0	107452.57	Lay
7	7	112	8094.6394	8094.6394	0	28847.507	Lay
8	8	113	8535.0183	8535.0183	0	-20944.27	Lay
9	9	114	11906.862	11906.862	0	53548.778	Lay
10	10	115	10208.722	10208.722	0	-24617.80	Lay
11	11	116	15234.723	15234.723	0	-23185.08	Lay
12	12	117	10733.260	10733.260	0	-53623.14	Lay
13	13	118	9791.2435	9791.2435	0	-13664.91	Lay
14	14	119	12400.837	12400.837	0	-37258.82	Lay
15	15	120	15235.877	15235.877	0	-32868.69	Lay
16	16	121	8931.4830	8931.4830	0	-15180.98	Lay

17	17	122	13649.645	13649.645	0	-29352.43	Lay
18	18	123	15757.232	15757.232	0	-86049.67	Lay
19	19	124	9769.3526	9769.3526	0	27100.443	Lay
20	20	125	12722.076	12722.076	0	88504.634	Lay
21	21	126	7804.1872	7804.1872	0	-121584.0	Lay
22	22	127	13660.068	13660.068	0	20238.197	Lay
23	23	128	9932.6022	9932.6022	0	-71510.26	Lay
24	24	129	13069.777	13069.777	0	177254.01	Lay
25	25	130	15057.307	15057.307	0	207076.18	Lay
26	26	131	26166.263	26166.263	0	114552.06	Lay
27	27	132	16108.606	16108.606	0	410074.57	Lay
28	28	133	37627.169	37627.169	0	-75655.03	Lay
29	29	134	16719.123	16719.123	0	-51493.84	Lay
30	30	135	15834.994	15834.994	0	-55254.21	Lay
31	31	136	14717.212	14717.212	0	164783.73	Lay
32	32	137	3990.245	3990.245	0	-82350.67	Lay
33	33	138	7953.1377	7953.1377	0	50265.553	Lay
34	34	139	5953.6444	5953.6444	0	-1792.555	Lay
35	35	140	6290.0011	6290.0011	0	37215.097	Lay
36	36	141	5548.2627	5548.2627	0	91787.619	Lay
37	37	142	3811.1811	3811.1811	0	-4708.000	Lay
38	38	143	312.51666	312.51666	0	6225.2235	Lay
39	39	144	11442.997	11442.997	0	-58645.11	Lay
40	40	145	13561.634	13561.634	0	-118412.8	Lay
41	41	146	8270.0543	8270.0543	0	-128540.4	Lay
42	42	147	15797.010	15797.010	0	-176515.9	Lay
43	43	148	5053.5188	5053.5188	0	-63992.88	Lay
44	44	149	5250.6338	5250.6338	0	40258.168	Lay
45	45	150	5547.485	5547.485	0	-18670.08	Lay
46	46	151	2718.5961	2718.5961	0	25918.674	Lay
47	47	152	2809.4277	2809.4277	0	114525.93	Lay
48	48	153	579.15222	579.15222	0	0	Lay
49	49	154	4944.7822	4944.7822	0	49453.365	Lay
50	50	155	5452.4338	5452.4338	0	-4366.069	Lay
51	51	156	6224.5738	6224.5738	0	-46861.14	Lay
52	52	157	1378.4066	1378.4066	0	37569.965	Lay
53	53	158	3087.9861	3087.9861	0	71959.910	Lay
54	54	159	3592.2883	3592.2883	0	13281.570	Lay
55	55	160	3504.2966	3504.2966	0	143926.67	Lay
56	56	161	450.90333	450.90333	0	13676.974	Lay
57	57	162	693.705	693.705	0	18602.352	Lay
58	58	163	277.60388	277.60388	0	9243.7205	Lay

59	59	164	2363.0122	2363.0122	0	580873.10	Lay
60	60	165	330.00222	330.00222	0	11222.800	Lay
61	61	166	452.5	452.5	0	8965.6056	Lay
62	62	167	147.43333	147.43333	0	2222.7375	Lay
63	63	168	3254.6366	3254.6366	0	43777.696	Lay
64	64	169	2605.9122	2605.9122	0	53929.229	Lay
65	65	170	2294.6788	2294.6788	0	52411.850	Lay
66	66	171	640.92777	640.92777	0	14265.353	Lay
67	67	172	1882.825	1882.825	0	40666.112	Lay
68	68	173	1275.3644	1275.3644	0	24963.278	Lay
69	69	174	4035.3672	4035.3672	0	66205.251	Lay
70	70	175	40362.635	40362.635	0	-100286.8	Lay
71	71	176	194.19444	194.19444	0	-4615.248	Lay
72	72	177	327.67555	327.67555	0	-9733.349	Lay
73	73	178	703.51555	703.51555	0	14454.896	Lay
74	74	179	849.72222	849.72222	0	13527.297	Lay
75	75	180	1048.1966	1048.1966	0	16155.416	Lay
76	76	181	3006.1388	3006.1388	0	58468.571	Lay
77	77	182	1504.9438	1504.9438	0	90875.198	Lay
78	78	183	666.92222	666.92222	0	0	Lay
79	79	184	663.17222	663.17222	0	21433.291	Lay
80	80	185	1392.4583	1392.4583	0	43723.676	Lay
81	81	186	6512.5994	6512.5994	0	-40950.56	Lay
82	82	187	13193.374	13193.374	0	91582.666	Lay
83	83	188	9771.5488	9771.5488	0	61733.482	Lay
84	84	189	6649.855	6649.855	0	51340.558	Lay
85	85	190	5898.6622	5898.6622	0	-20036.97	Lay
86	86	191	4080.2427	4080.2427	0	15008.283	Lay
87	87	192	2846.5861	2846.5861	0	116299.00	Lay
88	88	193	2602.79	2602.79	0	635626.95	Lay
89	89	194	2722.9333	2722.9333	0	114373.42	Lay
90	90	195	4363.9822	4363.9822	0	43913.553	Lay
91	91	196	5075.7877	5075.7877	0	-4331.082	Lay
92	92	197	8738.5933	8738.5933	0	-67256.19	Lay
93	93	198	14545.261	14545.261	0	-75599.87	Lay
94	94	199	29462.452	29462.452	0	-15217.92	Lay
95	95	200	28781.351	28781.351	0	-78480.13	Lay
96	96	201	680.99111	680.99111	0	21894.544	Lay
97	97	202	625.01722	625.01722	0	12306.832	Lay
98	98	203	2465.8861	2465.8861	0	22229.605	Lay
99	99	204	2358.9944	2358.9944	0	21309.427	Lay
100	100	205	570.03277	570.03277	0	16643.564	Lay

101	101	206	298.74166	298.74166	0	11752.878	Lay
102	102	207	387.57333	387.57333	0	14406.377	Lay
103	106	211	2120.445	2120.445	0	-11666.17	Lay
104	107	212	2989.7894	2989.7894	0	-64545.22	Lay
105	108	213	4845.0425	4845.0425	0	-53147.52	Lay
106	109	214	4131.5352	4131.5352	0	37014.518	Lay
107	110	215	3474.1361	3474.1361	0	-34580.80	Lay
108	111	216	2994.7586	2994.7586	0	92253.490	Lay
109	112	217	4047.3197	4047.3197	0	26240.409	Lay
110	113	218	4267.5091	4267.5091	0	-16067.87	Lay
111	114	219	5953.4313	5953.4313	0	47885.386	Lay
112	115	220	5104.3611	5104.3611	0	-21768.74	Lay
113	116	221	7617.3616	7617.3616	0	-20650.00	Lay
114	117	222	3579.8844	3579.8844	0	-47439.66	Lay
115	118	223	3264.7677	3264.7677	0	-12804.74	Lay
116	119	224	4137.3933	4137.3933	0	-32260.82	Lay
117	120	225	5080.2127	5080.2127	0	-30081.96	Lay
118	121	226	2978.0913	2978.0913	0	-14537.84	Lay
119	122	227	4553.0319	4553.0319	0	-27711.22	Lay
120	123	228	5256.4722	5256.4722	0	-75318.47	Lay
121	124	229	4403.5119	4403.5119	0	21559.652	Lay
122	125	230	6361.0380	6361.0380	0	76785.868	Lay
123	126	231	3902.0936	3902.0936	0	-102124.0	Lay
124	127	232	6830.0344	6830.0344	0	18064.389	Lay
125	128	233	4966.3011	4966.3011	0	-57669.22	Lay
126	129	234	6534.8886	6534.8886	0	158974.06	Lay
127	130	235	7528.6538	7528.6538	0	186106.77	Lay
128	131	236	13083.131	13083.131	0	107445.12	Lay
129	132	237	8054.3030	8054.3030	0	356705.46	Lay
130	133	238	12560.904	12560.904	0	-49638.62	Lay
131	134	239	5574.7827	5574.7827	0	-48148.41	Lay
132	135	240	5281.2102	5281.2102	0	-49593.03	Lay
133	136	241	6347.0280	6347.0280	0	133055.81	Lay
134	137	242	1995.1225	1995.1225	0	-60355.24	Lay
135	138	243	3976.5688	3976.5688	0	44561.346	Lay
136	139	244	2976.8222	2976.8222	0	-1639.044	Lay
137	140	245	3145.0005	3145.0005	0	33613.446	Lay
138	141	246	2774.1313	2774.1313	0	78737.117	Lay
139	142	247	1905.5905	1905.5905	0	-71.43977	Lay
140	143	248	156.25833	156.25833	0	6506.6453	Lay
141	144	249	5721.4988	5721.4988	0	-50666.41	Lay
142	145	250	4522.5769	4522.5769	0	-96789.07	Lay

143	146	251	2758.6569	2758.6569	0	-97784.32	Lay
144	147	252	5270.5508	5270.5508	0	-143114.2	Lay
145	148	253	2526.7594	2526.7594	0	-46125.79	Lay
146	149	254	2625.3169	2625.3169	0	33560.737	Lay
147	150	255	2773.7425	2773.7425	0	-11513.98	Lay
148	151	256	1359.2980	1359.2980	0	22255.192	Lay
149	152	257	1404.7138	1404.7138	0	71581.502	Lay
150	153	258	289.57611	289.57611	0	0	Lay
151	154	259	2472.3911	2472.3911	0	32295.326	Lay
152	155	260	2726.2169	2726.2169	0	-2586.655	Lay
153	156	261	3112.2869	3112.2869	0	-37595.95	Lay
154	157	262	689.20333	689.20333	0	30461.205	Lay
155	158	263	1543.9930	1543.9930	0	52287.922	Lay
156	159	264	1796.1441	1796.1441	0	13581.339	Lay
157	160	265	1752.1483	1752.1483	0	330.63965	Lay
158	161	266	225.45166	225.45166	0	10390.866	Lay
159	162	267	346.8525	346.8525	0	16220.600	Lay
160	163	268	138.80194	138.80194	0	6394.6561	Lay
161	164	269	1181.5061	1181.5061	0	1651.2675	Lay
162	165	270	165.00111	165.00111	0	13566.716	Lay
163	166	271	226.25	226.25	0	8436.9680	Lay
164	167	272	73.716666	73.716666	0	1270.9994	Lay
165	168	273	1627.3183	1627.3183	0	39922.370	Lay
166	169	274	1302.9561	1302.9561	0	48222.168	Lay
167	170	275	1147.3394	1147.3394	0	39572.608	Lay
168	171	276	320.46388	320.46388	0	9826.6817	Lay
169	172	277	941.4125	941.4125	0	27645.593	Lay
170	173	278	637.68222	637.68222	0	14524.814	Lay
171	174	279	2017.6836	2017.6836	0	51657.537	Lay
172	175	280	13467.500	13467.500	0	-88847.20	Lay
173	176	281	97.097222	97.097222	0	2307.6240	Lay
174	177	282	163.83777	163.83777	0	4866.6747	Lay
175	178	283	351.75777	351.75777	0	9297.1299	Lay
176	179	284	424.86111	424.86111	0	7474.0545	Lay
177	180	285	524.09833	524.09833	0	9905.0909	Lay
178	181	286	1503.0694	1503.0694	0	50064.003	Lay
179	182	287	752.47194	752.47194	0	61324.180	Lay
180	183	288	333.46111	333.46111	0	0	Lay
181	184	289	331.58611	331.58611	0	15753.685	Lay
182	185	290	696.22916	696.22916	0	28782.550	Lay
183	186	291	3256.2997	3256.2997	0	-35689.92	Lay
184	187	292	6596.6872	6596.6872	0	79661.406	Lay

185	188	293	4885.7744	4885.7744	0	54758.008	Lay
186	189	294	3324.9275	3324.9275	0	42521.219	Lay
187	190	295	2949.3311	2949.3311	0	-12243.17	Lay
188	191	296	2040.1213	2040.1213	0	15412.152	Lay
189	192	297	1423.2930	1423.2930	0	72663.545	Lay
190	193	298	1301.395	1301.395	0	0	Lay
191	194	299	1361.4666	1361.4666	0	0	Lay
192	195	300	2181.9911	2181.9911	0	28528.643	Lay
193	196	301	2537.8938	2537.8938	0	-2255.191	Lay
194	197	302	4369.2966	4369.2966	0	-52722.97	Lay
195	198	303	7272.6305	7272.6305	0	-64428.92	Lay
196	199	304	9851.1705	9851.1705	0	-38714.70	Lay
197	200	305	9605.8711	9605.8711	0	-74955.92	Lay
198	201	306	340.49555	340.49555	0	12212.375	Lay
199	202	307	312.50861	312.50861	0	9708.9220	Lay
200	203	308	1232.9430	1232.9430	0	22487.967	Lay
201	204	309	1179.4972	1179.4972	0	21554.930	Lay
202	205	310	285.01638	285.01638	0	13415.787	Lay
203	206	311	149.37083	149.37083	0	8233.7329	Lay
204	207	312	193.78666	193.78666	0	7878.2685	Lay
205	211	316	1060.2225	1060.2225	0	-10461.50	Lay
206	212	317	1494.8947	1494.8947	0	-48139.49	Lay
207	213	318	2422.5212	2422.5212	0	-40673.87	Lay
208	214	319	2065.7676	2065.7676	0	24231.654	Lay
209	215	320	1737.0680	1737.0680	0	-25204.66	Lay
210	216	321	1497.3793	1497.3793	0	65806.028	Lay
211	217	322	2023.6598	2023.6598	0	21134.393	Lay
212	218	323	2133.7545	2133.7545	0	-8318.973	Lay
213	219	324	2976.7156	2976.7156	0	37157.576	Lay
214	220	325	2552.1805	2552.1805	0	-16445.54	Lay
215	221	326	3808.6808	3808.6808	0	-15773.70	Lay
216	222	327	1789.9422	1789.9422	0	-35917.03	Lay
217	223	328	1632.3838	1632.3838	0	-10806.20	Lay
218	224	329	2068.6966	2068.6966	0	-27277.34	Lay
219	225	330	2540.1063	2540.1063	0	-24322.77	Lay
220	226	331	1489.0456	1489.0456	0	-12727.25	Lay
221	227	332	2276.5159	2276.5159	0	-23596.66	Lay
222	228	333	2628.2361	2628.2361	0	-56069.64	Lay
223	229	334	2201.7559	2201.7559	0	13129.712	Lay
224	230	335	3180.5190	3180.5190	0	56941.778	Lay
225	231	336	1951.0468	1951.0468	0	-69580.23	Lay
226	232	337	3415.0172	3415.0172	0	14120.934	Lay

227	233	338	2483.1505	2483.1505	0	-35543.46	Lay
228	234	339	3267.4443	3267.4443	0	123615.82	Lay
229	235	340	3764.3269	3764.3269	0	145247.36	Lay
230	236	341	6541.5659	6541.5659	0	90673.356	Lay
231	237	342	4027.1515	4027.1515	0	260803.09	Lay
232	238	343	6280.4523	6280.4523	0	-44576.25	Lay
233	239	344	2787.3913	2787.3913	0	-39776.38	Lay
234	240	345	2640.6051	2640.6051	0	-38591.78	Lay
235	241	346	3173.5140	3173.5140	0	84948.748	Lay
236	242	347	997.56125	997.56125	0	-30547.59	Lay
237	243	348	1988.2844	1988.2844	0	34622.500	Lay
238	244	349	1488.4111	1488.4111	0	-1146.630	Lay
239	245	350	1572.5002	1572.5002	0	26300.791	Lay
240	246	351	1387.0656	1387.0656	0	56270.920	Lay
241	247	352	952.79527	952.79527	0	3375.8292	Lay
242	248	353	78.129166	78.129166	0	3811.5334	Lay
243	249	354	2860.7494	2860.7494	0	-36060.96	Lay
244	250	355	2261.2884	2261.2884	0	-64421.27	Lay
245	251	356	1379.3284	1379.3284	0	-55894.84	Lay
246	252	357	2635.2754	2635.2754	0	-92235.39	Lay
247	253	358	1263.3797	1263.3797	0	-22693.61	Lay
248	254	359	1312.6584	1312.6584	0	23637.635	Lay
249	255	360	1386.8712	1386.8712	0	-2300.478	Lay
250	256	361	679.64902	679.64902	0	15644.563	Lay
251	257	362	777.67973	777.67973	0	13561.010	Lay
252	258	363	233.09697	233.09697	0	-16803.96	Lay
253	259	364	1340.5410	1340.5410	0	-411.5513	Lay
254	260	365	1363.1084	1363.1084	0	-2391.285	Lay
255	261	366	1556.1434	1556.1434	0	-23373.45	Lay
256	262	367	458.41092	458.41092	0	19794.386	Lay
257	263	368	771.99652	771.99652	0	26400.445	Lay
258	264	369	919.60253	919.60253	0	12182.665	Lay
259	265	370	940.22866	940.22866	0	-144567.6	Lay
260	266	371	112.72583	112.72583	0	5504.6018	Lay
261	267	372	255.27044	255.27044	0	11964.912	Lay
262	268	373	118.46965	118.46965	0	1877.725	Lay
263	269	374	672.58390	672.58390	0	-101387.6	Lay
264	270	375	127.67854	127.67854	0	-20433.86	Lay
265	271	376	175.31314	175.31314	0	-15481.12	Lay
266	272	377	57.922789	57.922789	0	-4704.956	Lay
267	273	378	813.65916	813.65916	0	30848.564	Lay
268	274	379	651.47805	651.47805	0	35546.077	Lay

269	275	380	573.66972	573.66972	0	20891.916	Lay
270	276	381	160.23194	160.23194	0	4456.8572	Lay
271	277	382	470.70625	470.70625	0	11584.500	Lay
272	278	383	318.84111	318.84111	0	3785.4972	Lay
273	279	384	1008.8418	1008.8418	0	28882.443	Lay
274	280	385	6733.7502	6733.7502	0	-67590.35	Lay
275	281	386	61.832606	61.832606	0	1921.7645	Lay
276	282	387	124.52431	124.52431	0	1778.6506	Lay
277	283	388	175.87888	175.87888	0	-2579.104	Lay
278	284	389	212.43055	212.43055	0	-2602.737	Lay
279	285	390	262.04916	262.04916	0	3337.0585	Lay
280	286	391	751.53472	751.53472	0	28807.828	Lay
281	287	392	376.23597	376.23597	0	27452.469	Lay
282	288	393	175.95042	175.95042	0	-15697.88	Lay
283	289	394	165.79305	165.79305	0	8729.5409	Lay
284	290	395	348.11458	348.11458	0	8403.1696	Lay
285	291	396	1628.1498	1628.1498	0	-27312.38	Lay
286	292	397	3298.3436	3298.3436	0	59074.457	Lay
287	293	398	2442.8872	2442.8872	0	42541.678	Lay
288	294	399	1662.4637	1662.4637	0	29944.308	Lay
289	295	400	1474.6655	1474.6655	0	-2446.527	Lay
290	296	401	1020.0606	1020.0606	0	13504.228	Lay
291	297	402	711.64652	711.64652	0	12697.662	Lay
292	298	403	677.41259	677.41259	0	-101978.5	Lay
293	299	404	733.96460	733.96460	0	-113309.5	Lay
294	300	405	1090.9955	1090.9955	0	-655.0252	Lay
295	301	406	1268.9469	1268.9469	0	-2179.079	Lay
296	302	407	2184.6483	2184.6483	0	-32767.16	Lay
297	303	408	3636.3152	3636.3152	0	-45845.48	Lay
298	304	409	4925.5852	4925.5852	0	-34921.63	Lay
299	305	410	4802.9355	4802.9355	0	-63385.16	Lay
300	306	411	170.24777	170.24777	0	402.97150	Lay
301	307	412	156.25430	156.25430	0	4618.3491	Lay
302	308	413	616.47152	616.47152	0	15077.757	Lay
303	309	414	632.11204	632.11204	0	15463.982	Lay
304	310	415	198.66196	198.66196	0	9476.3754	Lay
305	311	416	149.37083	149.37083	0	4109.5650	Lay
306	312	417	193.78666	193.78666	0	-1294.057	Lay
307	316	421	219.35637	219.35637	0	-6365.395	Lay
308	317	422	309.28856	309.28856	0	-19841.40	Lay
309	318	423	894.05110	894.05110	0	-23702.34	Lay
310	319	424	427.40020	427.40020	0	6413.8080	Lay

311	320	425	359.39339	359.39339	0	-9763.416	Lay
312	321	426	309.80261	309.80261	0	23937.517	Lay
313	322	427	418.68824	418.68824	0	11013.729	Lay
314	323	428	441.46646	441.46646	0	1307.0045	Lay
315	324	429	615.87221	615.87221	0	17343.965	Lay
316	325	430	528.03735	528.03735	0	-6954.477	Lay
317	326	431	788.00293	788.00293	0	-6747.437	Lay
318	327	432	370.33287	370.33287	0	-15403.14	Lay
319	328	433	337.73459	337.73459	0	-5930.976	Lay
320	329	434	748.86968	748.86968	0	-17226.12	Lay
321	330	435	525.53925	525.53925	0	-12238.58	Lay
322	331	436	308.07842	308.07842	0	-7580.135	Lay
323	332	437	471.00330	471.00330	0	-13181.88	Lay
324	333	438	543.77298	543.77298	0	-23523.97	Lay
325	334	439	455.53571	455.53571	0	2605.4713	Lay
326	335	440	1226.3859	1226.3859	0	27146.388	Lay
327	336	441	403.66485	403.66485	0	-21889.09	Lay
328	337	442	706.55528	706.55528	0	7065.8822	Lay
329	338	443	513.75528	513.75528	0	-6413.564	Lay
330	339	444	676.02296	676.02296	0	56769.545	Lay
331	340	445	778.82626	778.82626	0	67144.451	Lay
332	341	446	1353.4274	1353.4274	0	50197.474	Lay
333	342	447	833.20376	833.20376	0	101209.69	Lay
334	343	448	2375.1841	2375.1841	0	-29096.61	Lay
335	344	449	576.70166	576.70166	0	-20000.61	Lay
336	345	450	546.33209	546.33209	0	-17802.54	Lay
337	346	451	656.58910	656.58910	0	24241.501	Lay
338	347	452	206.39198	206.39198	0	-2683.258	Lay
339	348	453	784.10824	784.10824	0	18617.854	Lay
340	349	454	307.94712	307.94712	0	-142.9330	Lay
341	350	455	325.34488	325.34488	0	11795.628	Lay
342	351	456	286.97910	286.97910	0	20954.860	Lay
343	352	457	197.13005	197.13005	0	2764.0824	Lay
344	353	458	16.164655	16.164655	0	800.91890	Lay
345	354	459	1135.4397	1135.4397	0	-14225.33	Lay
346	355	460	467.85278	467.85278	0	-21526.58	Lay
347	356	461	285.37830	285.37830	0	-13358.91	Lay
348	357	462	545.22939	545.22939	0	-28007.61	Lay
349	358	463	261.38890	261.38890	0	-2037.632	Lay
350	359	464	533.00147	533.00147	0	12498.314	Lay
351	360	465	547.38530	547.38530	0	3664.7197	Lay
352	361	466	140.61704	140.61704	0	4666.7062	Lay

353	362	467	299.57775	299.57775	0	-9663.930	Lay
354	363	468	69.387241	69.387241	0	-4523.547	Lay
355	364	469	508.30271	508.30271	0	-16147.09	Lay
356	365	470	546.33553	546.33553	0	-2389.100	Lay
357	366	471	632.01324	632.01324	0	-6595.576	Lay
358	367	472	75.157434	75.157434	0	127.12913	Lay
359	368	473	159.72342	159.72342	0	2572.4594	Lay
360	369	474	360.14186	360.14186	0	2592.6206	Lay
361	370	475	380.24155	380.24155	0	-40713.30	Lay
362	371	476	23.322586	23.322586	0	316.18736	Lay
363	372	477	38.430572	38.430572	0	116.67269	Lay
364	373	478	15.704613	15.704613	0	-606.7005	Lay
365	374	479	254.84681	254.84681	0	-24858.68	Lay
366	375	480	36.376206	36.376206	0	-2884.153	Lay
367	376	481	50.020574	50.020574	0	-1354.043	Lay
368	377	482	16.778448	16.778448	0	-132.1436	Lay
369	378	483	168.34327	168.34327	0	12545.600	Lay
370	379	484	134.78856	134.78856	0	12731.462	Lay
371	380	485	118.69028	118.69028	0	1550.2674	Lay
372	381	486	33.151436	33.151436	0	96.187669	Lay
373	382	487	97.3875	97.3875	0	-358.9159	Lay
374	383	488	65.967126	65.967126	0	-1079.990	Lay
375	384	489	208.72589	208.72589	0	1689.7857	Lay
376	385	490	1393.1897	1393.1897	0	-29372.64	Lay
377	386	491	14.820574	14.820574	0	456.88711	Lay
378	387	492	34.817931	34.817931	0	662.24383	Lay
379	388	493	36.388735	36.388735	0	-1203.840	Lay
380	389	494	43.951149	43.951149	0	-405.0929	Lay
381	390	495	54.217069	54.217069	0	469.91087	Lay
382	391	496	155.48994	155.48994	0	8264.9534	Lay
383	392	497	77.841925	77.841925	0	5071.7317	Lay
384	393	498	37.438678	37.438678	0	32.845563	Lay
385	394	499	34.302011	34.302011	0	1870.2947	Lay
386	395	500	72.023706	72.023706	0	189.57540	Lay
387	396	501	539.79479	539.79479	0	-14299.00	Lay
388	397	502	1258.9268	1258.9268	0	27880.321	Lay
389	398	503	969.60971	969.60971	0	23024.397	Lay
390	399	504	621.26108	621.26108	0	14571.862	Lay
391	400	505	565.94050	565.94050	0	3792.5972	Lay
392	401	506	423.93824	423.93824	0	3054.8759	Lay
393	402	507	284.67169	284.67169	0	-9130.913	Lay
394	403	508	278.22424	278.22424	0	-27083.33	Lay

395	404	509	306.97307	306.97307	0	-32926.05	Lay
396	405	510	457.08946	457.08946	0	-14614.38	Lay
397	406	511	512.61265	512.61265	0	-2262.283	Lay
398	407	512	748.04640	748.04640	0	-7787.717	Lay
399	408	513	1185.2553	1185.2553	0	-14837.09	Lay
400	409	514	1953.2180	1953.2180	0	-23910.09	Lay
401	410	515	1830.3250	1830.3250	0	-42138.77	Lay
402	411	516	35.223678	35.223678	0	-1223.541	Lay
403	412	517	32.328477	32.328477	0	-5.770984	Lay
404	413	518	253.45356	253.45356	0	-1409.253	Lay
405	414	519	255.92053	255.92053	0	-1433.417	Lay
406	415	520	31.315847	31.315847	0	-229.7155	Lay
407	416	521	17.235096	17.235096	0	-451.8098	Lay
408	417	522	22.36	22.36	0	-1085.724	Lay

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2375.0046	2375.0044	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2780	2780	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	
9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059	
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5	
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417	
12	-1	5652	20000	2510	2560	2467.9123	2467.9117	Swamp	2147930.5	
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6	
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191	
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7	
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7	
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819	
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2	

19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5
20	19	6992	32189	2910	2960	2959.9804	2959.9802	Swamp	866017.75
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192
26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2497.7709	2496.0817	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2369.8403	2369.8372	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2965.7432	2965.5221	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3229.8381	3110.2009	Swamp	46877.496
39	28	5689	24547	2510	2560	2560	2560	Swamp	325796.53
40	29	5107	25236	2490	2540	2413.1774	2413.1612	Swamp	2299764
41	29	5203	26521	2470	2520	2387.6052	2387.5661	Swamp	1188807.5
42	29	5202	28261	2470	2520	2422.9808	2422.8323	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2947.6888	2946.3749	Swamp	192655.17
45	43	6973	29319	2790	2840	2840	2840	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	59	6918	27954	2750	2800	2800	2799.1114	Swamp	59082.835
48	-2	7268	27047	2950	3000	3000	2650	Head	110959.16
49	91	6626	26660	2630	2680	2680	2658.1659	Swamp	239884.65
50	92	6413	26034	2610	2660	2660	2659.9374	Swamp	244550.18
51	93	6129	25301	2550	2600	2599.9505	2599.9143	Swamp	227482.17
52	69	6178	27422	2913	2963	2800.5175	2729.7395	Swamp	297364.31
53	42	6142	28824	2750	2800	2794.3425	2783.7760	Swamp	656989
54	87	6945	28630	2770	2820	2820	2820	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.8424	2452.0187	Swamp	42484
56	69	6268	28173	2750	2800	2800	2800	Swamp	135271
57	56	6365	28022	2800	2850	2846.8839	2785.6623	Swamp	145908.67
58	59	6687	27823	2810	2860	2839.7694	2749.3020	Swamp	54975.668
59	55	6845	27559	2740	2790	2789.9318	2686.6708	Swamp	58884.996
60	-2	6982	26866	2810	2860	2860	2626.2302	Swamp	72035.671

61	-2	7160	26335	3010	3060	3046.7378	2767.1039	Swamp	67875
62	-2	7140	26057	3050	3100	3075.5476	2782.3179	Swamp	22115
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2719.7288	2691.1585	Swamp	448827
66	41	5752	26270	2770	2820	2670.1589	2653.4937	Swamp	131233.32
67	41	5602	26030	2700	2750	2637.2246	2627.1532	Swamp	379078
68	40	5626	25290	2600	2650	2605.3377	2601.4706	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2488.9782	2488.9362	Swamp	7203686
71	-2	7449	26097	3270	3320	3176.3861	2970	Head	29129.168
72	-2	7424	26197	3230	3280	3162.3184	2930	Head	49151.332
73	90	6800	26500	2760	2810	2810	2740.5818	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2782.5751	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2780.1628	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	3020.4873	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3209.4826	Swamp	301410.65
78	-2	7130	25890	3060	3110	3110	2760	Head	100038.33
79	77	7760	26170	3290	3340	3271.9403	3166.6238	Swamp	180520
80	48	7550	26640	3200	3250	3178.0005	2989.6247	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2960	2960	Swamp	975487.18
83	84	6927	30726	2984	3034	2965.7357	2965.5141	Swamp	496899.68
84	85	7000	29991	2910	2960	2947.7527	2946.4373	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2840	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2820	Swamp	88252.828
87	59	6928	27954	2750	2800	2800	2800	Swamp	97702.328
88	55	6855	27559	2740	2790	2790	2684.2098	Swamp	35203.496
89	90	6794	27278	2710	2760	2760	2452.0037	Swamp	32180.002
90	91	6636	26660	2630	2680	2680	2657.7486	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2660	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2600	Swamp	572830.68
93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2501.6271	2497.6549	Swamp	809781.12
95	-1	2500	21846	2295	2345	2345	2345	Swamp	1437697.7
96	87	7283	27480	2925	2975	2975	2844.9867	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2826.1344	2803.4446	Swamp	70775.828
99	47	6940	28300	2780	2830	2826.0926	2803.4211	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2830	Swamp	171009.82
101	59	6500	27670	2810	2860	2860	2756.2304	Swamp	89622.492
102	55	6530	27330	2750	2800	2800	2671.6981	Swamp	116272

103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.8835	2345.8791	Cont	1272267
107	0	14902	33700	2330	2430	2383.2168	2383.2089	Cont	1793873.7
108	0	16898	33700	2630	2730	2786.2171	2786.2159	Cont	897395.5
109	0	19487	33700	2900	3000	3044.5809	3044.5738	Cont	2478921.2
110	0	21800	33700	2800	2900	2955.7405	2955.7358	Cont	2084481.7
111	0	21800	30591	3320	3420	3452.0894	3452.0598	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.5378	3476.4362	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.5737	3442.4539	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.5290	3435.5027	Cont	3572059
115	0	21800	20000	2970	3070	3122.4166	3122.4114	Cont	3062616.5
116	0	18511	20000	2830	2930	2981.5358	2981.5218	Cont	4570417
117	0	15652	20000	2410	2510	2472.9176	2472.9077	Cont	2147930.5
118	0	12500	20000	2200	2300	2351.3970	2351.3956	Cont	1958860.6
119	0	12500	21856	2195	2295	2348.0149	2348.0045	Cont	851191
120	0	12500	23928	2194.8	2294.8	2346.9977	2346.9573	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2346.4003	2346.2997	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.5890	2346.5504	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.9777	2349.9609	Cont	3153883.2
124	0	15605	32073	2570	2670	2717.2614	2717.2259	Cont	2479278.5
125	0	16992	32189	2810	2910	2953.0339	2953.0234	Cont	866017.75
126	0	18372	32305	2650	2750	2815.5989	2815.5793	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.5585	3198.5184	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.2941	3207.1995	Cont	2979780.7
129	0	19441	27370	3450	3550	3587.0439	3586.4378	Cont	3920933
130	0	19462	25661	3485	3585	3621.9000	3621.2474	Cont	4517192
131	0	18985	23075	3211	3311	3356.7309	3356.6221	Cont	7849879
132	0	17287	24068	3149	3249	3274.8036	3273.5431	Cont	3571829.7
133	0	14953	23445	2364	2464	2500.6349	2498.0923	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2348.1027	2347.8799	Cont	3344869.5
135	0	13594	28985	2325	2425	2373.4824	2373.3266	Cont	3168726
136	0	15507	30465	2690	2790	2828.9914	2828.8033	Cont	3240518.2
137	0	16132	30751	2531	2631	2701.8214	2701.638	Cont	921241.87
138	0	16917	30726	2884	2984	2959.5474	2959.2019	Cont	435496.37
139	0	18267	30992	2859	2959	3009.3955	3009.3010	Cont	1786093.3
140	0	18301	29819	3010	3110	3154.4707	3154.0834	Cont	1887000.3
141	0	18693	28740	3217	3317	3351.3277	3350.4565	Cont	1664478.8
142	0	17787	27697	2850	2950	3009.8017	3001.2353	Cont	1143354.3
143	0	17624	26097	3250	3350	3208.7029	3090.2813	Cont	46877.496
144	0	15689	24547	2410	2510	2565.6788	2565.1249	Cont	325796.53

145	0	15107	25236	2390	2490	2422.3668	2421.8926	Cont	2299764
146	0	15203	26521	2370	2470	2405.1124	2403.1090	Cont	1188807.5
147	0	15202	28261	2370	2470	2435.4760	2434.0063	Cont	2427143.5
148	0	16195	29695	2530	2630	2693.7656	2692.6630	Cont	979702.12
149	0	16990	29991	2810	2910	2940.4953	2938.7076	Cont	192655.17
150	0	16973	29319	2690	2790	2845.4734	2843.3655	Cont	300995.53
151	0	17455	28541	2850	2950	2994.3037	2990.4661	Cont	815578.87
152	0	16918	27954	2650	2750	2802.2981	2758.3465	Cont	59082.835
153	-3	17268	27047	2850	2950	2983.3108	2650	Head	110959.16
154	0	16626	26660	2530	2630	2692.0585	2648.1648	Cont	239884.65
155	0	16413	26034	2510	2610	2669.1604	2660.7382	Cont	244550.18
156	0	16129	25301	2450	2550	2610.1641	2607.4427	Cont	227482.17
157	0	16178	27422	2813	2913	2777.9054	2702.4834	Cont	297364.31
158	0	16142	28824	2650	2750	2771.9228	2760.4728	Cont	656989
159	0	16945	28630	2670	2770	2823.5402	2816.3027	Cont	180601.48
160	0	16784	27278	2610	2710	2764.4386	2410.9472	Cont	42484
161	0	16268	28173	2650	2750	2788.6113	2769.6676	Cont	135271
162	0	16365	28022	2700	2800	2824.4874	2758.8463	Cont	145908.67
163	0	16687	27823	2710	2810	2821.9486	2716.0037	Cont	54975.668
164	0	16845	27559	2640	2740	2790.7248	2440.8518	Cont	58884.996
165	-3	16982	26866	2710	2810	2871.0742	2592.2219	Cont	72035.671
166	-3	17160	26335	2910	3010	3030.6617	2747.2904	Cont	67875
167	-3	17140	26057	2950	3050	3056.9464	2767.2416	Cont	22115
168	0	18324	26577	3180	3280	3323.8821	3316.5491	Cont	976391
169	0	18324	25947	3250	3350	3386.1509	3379.3050	Cont	781773.62
170	0	15902	26560	2750	2850	2698.7520	2668.3179	Cont	448827
171	0	15752	26270	2670	2770	2649.1620	2631.2363	Cont	131233.32
172	0	15602	26030	2600	2700	2616.4125	2605.5548	Cont	379078
173	0	15626	25290	2500	2600	2586.1212	2581.8972	Cont	253546.84
174	0	15802	27740	2520	2620	2662.5311	2653.5937	Cont	644496
175	0	15206	22144	2350	2450	2491.5041	2491.4208	Cont	7203686
176	-3	17449	26097	3170	3270	3157.2937	2993.7661	Cont	29129.168
177	-3	17424	26197	3130	3230	3143.7439	2959.7042	Cont	49151.332
178	0	16800	26500	2660	2760	2824.6975	2720.0351	Cont	124351.33
179	0	16840	26030	2780	2880	2917.3626	2766.6554	Cont	127458.33
180	0	16560	25700	2670	2770	2807.6299	2764.7502	Cont	157229.51
181	0	17130	25560	2950	3050	3083.4595	3001.0376	Cont	450920.81
182	0	17500	25800	3070	3170	3189.3124	3149.0982	Cont	301410.65
183	-3	17130	25890	2960	3060	3080.6644	2760	Head	100038.33
184	0	17760	26170	3190	3290	3242.9089	3134.3044	Cont	180520
185	0	17550	26640	3100	3200	3149.8529	2958.2244	Cont	358294.5
186	0	16908	33700	2630	2730	2786.2890	2786.2879	Cont	948964.81

187	0	17002	32189	2810	2910	2953.0689	2953.0584	Cont	975487.18
188	0	16927	30726	2884	2984	2959.5426	2959.1964	Cont	496899.68
189	0	17000	29991	2810	2910	2940.5055	2938.7167	Cont	570526.5
190	0	16983	29319	2690	2790	2845.5032	2843.3968	Cont	417653.65
191	0	16955	28630	2670	2770	2823.5532	2816.3217	Cont	88252.828
192	0	16928	27954	2650	2750	2802.3430	2759.1443	Cont	97702.328
193	-3	16855	27559	2640	2740	2790.8432	2440	Head	35203.496
194	-3	16794	27278	2610	2710	2764.7024	2410	Head	32180.002
195	0	16636	26660	2530	2630	2692.2590	2647.6859	Cont	70964.671
196	0	16423	26034	2510	2610	2669.3731	2660.8532	Cont	114405.16
197	0	16139	25301	2450	2550	2610.4381	2607.6964	Cont	572830.68
198	0	15699	24542	2410	2510	2565.7508	2565.1975	Cont	1117802.6
199	0	14963	23435	2364	2464	2500.7411	2498.1714	Cont	809781.12
200	0	12500	21846	2195	2295	2347.7324	2347.7267	Cont	1437697.7
201	0	17283	27480	2825	2925	2959.1140	2812.8357	Cont	204297.34
202	0	17150	28050	2730	2830	2879.0691	2860.3096	Cont	187505.17
203	0	16950	28300	2680	2780	2824.3063	2794.4297	Cont	70775.828
204	0	16940	28300	2680	2780	2824.2818	2794.3878	Cont	28068.334
205	0	16700	28150	2680	2780	2821.9695	2800.8024	Cont	171009.82
206	0	16500	27670	2710	2810	2831.7049	2716.8892	Cont	89622.492
207	0	16530	27330	2650	2750	2786.7483	2634.5274	Cont	116272
208	0	17758	25649	3084	3184	3266.8052	3242.5831	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2351.3983	2351.3809	Cont	1272267
212	0	24902	33700	2130	2330	2404.8282	2404.7975	Cont	1793873.7
213	0	26898	33700	2430	2630	2797.1888	2797.1854	Cont	897395.5
214	0	29487	33700	2700	2900	3035.6359	3035.6148	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.7036	2965.6896	Cont	2084481.7
216	0	31800	30591	3120	3320	3421.3429	3421.2549	Cont	1796855.2
217	0	31800	27778	3130	3330	3470.2553	3469.9528	Cont	2428391.7
218	0	31800	25426	3090	3290	3446.5756	3446.2190	Cont	2560505.5
219	0	31800	22935	3090	3290	3427.5380	3427.4593	Cont	3572059
220	0	31800	20000	2770	2970	3126.6916	3126.6761	Cont	3062616.5
221	0	28511	20000	2630	2830	2984.2745	2984.2327	Cont	4570417
222	0	25652	20000	2210	2410	2486.1967	2486.1595	Cont	2147930.5
223	0	22500	20000	2000	2200	2355.3233	2355.3177	Cont	1958860.6
224	0	22500	21856	1995	2195	2355.8277	2355.8019	Cont	851191
225	0	22500	23928	1994.8	2194.8	2353.032	2352.8787	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2351.5815	2351.1813	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2352.7903	2352.6367	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2364.3564	2364.2896	Cont	3153883.2

229	0	25605	32073	2370	2570	2712.4432	2712.3299	Cont	2479278.5
230	0	26992	32189	2610	2810	2940.9821	2940.9521	Cont	866017.75
231	0	28372	32305	2450	2650	2841.8094	2841.7509	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.9929	3195.8735	Cont	4098020.7
233	0	30444	29751	2850	3050	3219.0931	3218.8116	Cont	2979780.7
234	0	29441	27370	3250	3450	3563.9014	3562.1109	Cont	3920933
235	0	29462	25661	3285	3485	3598.4533	3596.5276	Cont	4517192
236	0	28985	23075	3011	3211	3348.7324	3348.4096	Cont	7849879
237	0	27287	24068	2949	3149	3232.7075	3229.2555	Cont	3571829.7
238	0	24953	23445	2164	2364	2504.2261	2502.0442	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2357.3988	2356.5167	Cont	3344869.5
240	0	23594	28985	2125	2325	2383.3253	2382.7171	Cont	3168726
241	0	25507	30465	2490	2690	2808.4563	2807.8398	Cont	3240518.2
242	0	26132	30751	2331	2531	2732.4312	2731.8894	Cont	921241.87
243	0	26917	30726	2684	2884	2948.5809	2947.9959	Cont	435496.37
244	0	28267	30992	2659	2859	3010.1312	3009.8516	Cont	1786093.3
245	0	28301	29819	2810	3010	3144.5410	3143.3955	Cont	1887000.3
246	0	28693	28740	3017	3217	3324.6461	3322.0738	Cont	1664478.8
247	0	27787	27697	2650	2850	3024.0932	3001.2728	Cont	1143354.3
248	0	27624	26097	3050	3250	3168.3193	3048.6410	Cont	46877.496
249	0	25689	24547	2210	2410	2575.5868	2573.9804	Cont	325796.53
250	0	25107	25236	2190	2390	2445.0199	2443.2939	Cont	2299764
251	0	25203	26521	2170	2370	2445.6970	2438.5554	Cont	1188807.5
252	0	25202	28261	2170	2370	2466.3871	2461.1599	Cont	2427143.5
253	0	26195	29695	2330	2530	2713.9814	2710.9179	Cont	979702.12
254	0	26990	29991	2610	2810	2928.7267	2925.9241	Cont	192655.17
255	0	26973	29319	2490	2690	2853.7036	2847.5165	Cont	300995.53
256	0	27455	28541	2650	2850	2985.2342	2974.0935	Cont	815578.87
257	0	26918	27954	2450	2650	2804.7180	2707.3885	Cont	59082.835
258	-4	27268	27047	2650	2850	2958.7944	2650	Head	110959.16
259	0	26626	26660	2330	2530	2712.0289	2635.1024	Cont	239884.65
260	0	26413	26034	2310	2510	2684.4694	2661.6870	Cont	244550.18
261	0	26129	25301	2250	2450	2627.0704	2619.5226	Cont	227482.17
262	0	26178	27422	2613	2813	2747.7834	2658.2857	Cont	297364.31
263	0	26142	28824	2450	2650	2740.5109	2726.6074	Cont	656989
264	0	26945	28630	2470	2670	2828.6736	2808.7413	Cont	180601.48
265	0	26784	27278	2410	2610	2771.1995	2410.7585	Cont	42484
266	0	26268	28173	2450	2650	2767.7255	2723.5785	Cont	135271
267	0	26365	28022	2500	2700	2792.6717	2712.0812	Cont	145908.67
268	0	26687	27823	2510	2710	2801.7130	2669.9334	Cont	54975.668
269	0	26845	27559	2440	2640	2791.9305	2439.4542	Cont	58884.996
270	-4	26982	26866	2510	2710	2879.7074	2510	Head	72035.671

271	-4	27160	26335	2710	2910	3005.7276	2710	Head	67875
272	-4	27140	26057	2750	2950	3024.4613	2750	Head	22115
273	0	28324	26577	2980	3180	3311.2965	3292.0165	Cont	976391
274	0	28324	25947	3050	3250	3360.6168	3342.2952	Cont	781773.62
275	0	25902	26560	2550	2750	2668.6203	2633.8272	Cont	448827
276	0	25752	26270	2470	2670	2621.5673	2600.5724	Cont	131233.32
277	0	25602	26030	2400	2600	2588.9882	2576.1887	Cont	379078
278	0	25626	25290	2300	2500	2564.4213	2559.1197	Cont	253546.84
279	0	25802	27740	2320	2520	2651.8792	2627.9913	Cont	644496
280	0	25206	22144	2150	2350	2498.2085	2498.018	Cont	7203686
281	-4	27449	26097	2970	3170	3121.2675	2970	Head	29129.168
282	-4	27424	26197	2930	3130	3109.4499	2930	Head	49151.332
283	0	26800	26500	2460	2660	2840.0927	2693.6046	Cont	124351.33
284	0	26840	26030	2580	2780	2898.3230	2749.0636	Cont	127458.33
285	0	26560	25700	2470	2670	2793.8642	2745.8509	Cont	157229.51
286	0	27130	25560	2750	2950	3053.3407	2967.7298	Cont	450920.81
287	0	27500	25800	2870	3070	3141.6384	3067.6012	Cont	301410.65
288	-4	27130	25890	2760	2960	3038.3153	2760	Head	100038.33
289	0	27760	26170	2990	3190	3198.1693	3086.7944	Cont	180520
290	0	27550	26640	2900	3100	3106.5351	2916.8837	Cont	358294.5
291	0	26908	33700	2430	2630	2797.2515	2797.2481	Cont	948964.81
292	0	27002	32189	2610	2810	2941.0124	2940.9824	Cont	975487.18
293	0	26927	30726	2684	2884	2948.5748	2947.9888	Cont	496899.68
294	0	27000	29991	2610	2810	2928.7319	2925.9281	Cont	570526.5
295	0	26983	29319	2490	2690	2853.7305	2847.5480	Cont	417653.65
296	0	26955	28630	2470	2670	2828.6893	2808.7671	Cont	88252.828
297	0	26928	27954	2450	2650	2804.7647	2708.0912	Cont	97702.328
298	-4	26855	27559	2440	2640	2792.0358	2440	Head	35203.496
299	-4	26794	27278	2410	2610	2771.4152	2410	Head	32180.002
300	0	26636	26660	2330	2530	2712.2165	2634.6113	Cont	70964.671
301	0	26423	26034	2310	2510	2684.6874	2661.7418	Cont	114405.16
302	0	26139	25301	2250	2450	2627.3633	2619.7631	Cont	572830.68
303	0	25699	24542	2210	2410	2575.6648	2574.0566	Cont	1117802.6
304	0	24963	23435	2164	2364	2504.2854	2502.1013	Cont	809781.12
305	0	22500	21846	1995	2195	2355.5517	2355.5299	Cont	1437697.7
306	0	27283	27480	2625	2825	2938.7455	2776.9692	Cont	204297.34
307	0	27150	28050	2530	2730	2877.3753	2829.2419	Cont	187505.17
308	0	26950	28300	2480	2680	2822.4514	2776.1905	Cont	70775.828
309	0	26940	28300	2480	2680	2822.4291	2776.1131	Cont	28068.334
310	0	26700	28150	2480	2680	2809.9316	2753.7322	Cont	171009.82
311	0	26500	27670	2510	2710	2793.7235	2661.7664	Cont	89622.492
312	0	26530	27330	2450	2650	2769.0444	2593.8730	Cont	116272

313	0	27758	25649	2884	3084	3227.3777	3180.6786	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2361.2904	2361.2481	Cont	1272267
317	0	4902	18700	1730	2130	2437.0739	2437.0001	Cont	1793873.7
318	0	6898	18700	2030	2430	2813.9826	2813.9753	Cont	897395.5
319	0	9487	18700	2300	2700	3023.9322	3023.8847	Cont	2478921.2
320	0	11800	18700	2200	2600	2980.2312	2980.1995	Cont	2084481.7
321	0	11800	15591	2720	3120	3377.5057	3377.3074	Cont	1796855.2
322	0	11800	12778	2730	3130	3460.1866	3459.5091	Cont	2428391.7
323	0	11800	10426	2690	3090	3450.9140	3450.1178	Cont	2560505.5
324	0	11800	7935	2690	3090	3415.1535	3414.9766	Cont	3572059
325	0	11800	5000	2370	2770	3133.1546	3133.1199	Cont	3062616.5
326	0	8511	5000	2230	2630	2988.4681	2988.3742	Cont	4570417
327	0	5652	5000	1810	2210	2506.3118	2506.2255	Cont	2147930.5
328	0	2500	5000	1600	2000	2361.9506	2361.9376	Cont	1958860.6
329	0	2500	6856	1595	1995	2369.0253	2368.9876	Cont	851191
330	0	2500	8928	1594.8	1994.8	2362.7979	2362.4542	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2360.6913	2359.7285	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2363.3722	2363.002	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2385.7841	2385.6232	Cont	3153883.2
334	0	5605	17073	1970	2370	2706.6253	2706.3666	Cont	2479278.5
335	0	6992	17189	2210	2610	2923.1124	2923.0488	Cont	866017.75
336	0	8372	17305	2050	2450	2877.5453	2877.4139	Cont	2341256.2
337	0	10053	15641	2450	2850	3192.0070	3191.7386	Cont	4098020.7
338	0	10444	14751	2450	2850	3233.7540	3233.1255	Cont	2979780.7
339	0	9441	12370	2850	3250	3528.1494	3524.2783	Cont	3920933
340	0	9462	10661	2885	3285	3562.0783	3557.9424	Cont	4517192
341	0	8985	8075	2611	3011	3335.2606	3334.5485	Cont	7849879
342	0	7287	9068	2549	2949	3171.0682	3164.4943	Cont	3571829.7
343	0	4953	8445	1764	2164	2510.7711	2509.1418	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2372.8637	2370.7868	Cont	3344869.5
345	0	3594	13985	1725	2125	2398.7696	2397.3318	Cont	3168726
346	0	5507	15465	2090	2490	2782.4642	2781.0718	Cont	3240518.2
347	0	6132	15751	1931	2331	2763.6968	2762.5116	Cont	921241.87
348	0	6917	15726	2284	2684	2931.6299	2930.5826	Cont	435496.37
349	0	8267	15992	2259	2659	3011.2420	3010.6220	Cont	1786093.3
350	0	8301	14819	2410	2810	3129.1849	3126.6700	Cont	1887000.3
351	0	8693	13740	2617	3017	3287.0425	3281.5055	Cont	1664478.8
352	0	7787	12697	2250	2650	3038.1249	2997.7297	Cont	1143354.3
353	0	7624	11097	2650	3050	3112.1470	2999.856	Cont	46877.496
354	0	5689	9547	1810	2210	2590.0134	2586.5858	Cont	325796.53

355	0	5107	10236	1790	2190	2475.5437	2471.7827	Cont	2299764
356	0	5203	11521	1770	2170	2493.7247	2479.0786	Cont	1188807.5
357	0	5202	13261	1770	2170	2507.5594	2496.1602	Cont	2427143.5
358	0	6195	14695	1930	2330	2734.9902	2728.8805	Cont	979702.12
359	0	6990	14991	2210	2610	2912.8621	2907.9166	Cont	192655.17
360	0	6973	14319	2090	2490	2862.4835	2849.1753	Cont	300995.53
361	0	7455	13541	2250	2650	2973.7733	2951.075	Cont	815578.87
362	0	6918	12954	2050	2450	2805.2429	2689.9507	Cont	59082.835
363	0	7268	12047	2250	2650	2931.5734	2722.0900	Cont	225309.32
364	0	6626	11660	1930	2330	2737.5644	2635.4094	Cont	239884.65
365	0	6413	11034	1910	2310	2704.9145	2663.4413	Cont	244550.18
366	0	6129	10301	1850	2250	2649.3595	2634.5427	Cont	227482.17
367	0	6178	12422	2213	2613	2739.2636	2615.1053	Cont	297364.31
368	0	6142	13824	2050	2450	2711.5039	2692.4098	Cont	656989
369	0	6945	13630	2070	2470	2834.0273	2795.4936	Cont	180601.48
370	0	6784	12278	2010	2410	2776.6259	2564.5164	Cont	42484
371	0	6268	13173	2050	2450	2745.8902	2674.7467	Cont	135271
372	0	6365	13022	2100	2500	2775.2813	2665.2097	Cont	145908.67
373	0	6687	12823	2110	2510	2788.5198	2654.0835	Cont	54975.668
374	0	6845	12559	2040	2440	2791.5365	2590.1977	Cont	58884.996
375	0	6982	11866	2110	2510	2877.3529	2670.0414	Cont	128026.33
376	0	7160	11335	2310	2710	2972.7573	2798.3055	Cont	145059.65
377	0	7140	11057	2350	2750	2982.1168	2831.2280	Cont	48657.496
378	0	8324	11577	2580	2980	3287.9299	3254.1031	Cont	976391
379	0	8324	10947	2650	3050	3320.0871	3287.7330	Cont	781773.62
380	0	5902	11560	2150	2550	2640.4645	2597.4091	Cont	448827
381	0	5752	11270	2070	2470	2599.7995	2572.7574	Cont	131233.32
382	0	5602	11030	2000	2400	2568.4693	2551.5778	Cont	379078
383	0	5626	10290	1900	2300	2555.0756	2547.2470	Cont	253546.84
384	0	5802	12740	1920	2320	2643.3784	2599.3620	Cont	644496
385	0	5206	7144	1750	2150	2508.4020	2508.0555	Cont	7203686
386	0	7449	11097	2570	2970	3069.0719	2938.9198	Cont	42979.664
387	0	7424	11197	2530	2930	3059.6587	2915.7164	Cont	100972
388	0	6800	11500	2060	2460	2846.5324	2708.2687	Cont	124351.33
389	0	6840	11030	2180	2580	2876.3224	2761.3158	Cont	127458.33
390	0	6560	10700	2070	2470	2785.0171	2733.1165	Cont	157229.51
391	0	7130	10560	2350	2750	3008.9545	2929.3978	Cont	450920.81
392	0	7500	10800	2470	2870	3082.4035	2994.6351	Cont	301410.65
393	0	7130	10890	2360	2760	2989.8034	2849.2176	Cont	108572.17
394	0	7760	11170	2590	2990	3141.1719	3034.1411	Cont	180520
395	0	7550	11640	2500	2900	3054.8578	2892.7446	Cont	358294.5
396	0	6908	18700	2030	2430	2814.0306	2814.0232	Cont	948964.81

397	0	7002	17189	2210	2610	2923.1356	2923.0721	Cont	975487.18
398	0	6927	15726	2284	2684	2931.6234	2930.5743	Cont	496899.68
399	0	7000	14991	2210	2610	2912.8631	2907.9161	Cont	570526.5
400	0	6983	14319	2090	2490	2862.5065	2849.2070	Cont	417653.65
401	0	6955	13630	2070	2470	2834.0460	2795.5285	Cont	88252.828
402	0	6928	12954	2050	2450	2805.2943	2690.2486	Cont	97702.328
403	0	6855	12559	2040	2440	2791.6323	2590.5413	Cont	59750.996
404	0	6794	12278	2010	2410	2776.7785	2564.3800	Cont	82037.507
405	0	6636	11660	1930	2330	2737.7256	2635.2117	Cont	70964.671
406	0	6423	11034	1910	2310	2705.1372	2663.4591	Cont	114405.16
407	0	6139	10301	1850	2250	2649.6718	2634.7619	Cont	572830.68
408	0	5699	9542	1810	2210	2590.0970	2586.6643	Cont	1117802.6
409	0	4963	8435	1764	2164	2510.8208	2509.1912	Cont	809781.12
410	0	2500	6846	1595	1995	2368.7618	2368.7270	Cont	1437697.7
411	0	7283	12480	2225	2625	2920.8410	2774.6023	Cont	204297.34
412	0	7150	13050	2130	2530	2874.8546	2799.6853	Cont	187505.17
413	0	6950	13300	2080	2480	2820.5677	2751.7323	Cont	70775.828
414	0	6940	13300	2080	2480	2820.5413	2751.6491	Cont	28068.334
415	0	6700	13150	2080	2480	2801.4868	2706.0312	Cont	171009.82
416	0	6500	12670	2110	2510	2771.7037	2634.2539	Cont	89622.492
417	0	6530	12330	2050	2450	2760.5324	2600.5508	Cont	116272
418	0	7758	10649	2484	2884	3174.2823	3114.9808	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2390.3988	2390.2666	Cont	1272267
422	0	14902	18700	730	1730	2501.3790	2501.1519	Cont	1793873.7
423	0	16898	18700	1030	2030	2840.4979	2840.4865	Cont	897395.5
424	0	19487	18700	1300	2300	3009.0201	3008.8781	Cont	2478921.2
425	0	21800	18700	1200	2200	3007.4611	3007.3658	Cont	2084481.7
426	0	21800	15591	1720	2720	3300.6274	3300.0404	Cont	1796855.2
427	0	21800	12778	1730	2730	3435.1342	3433.2038	Cont	2428391.7
428	0	21800	10426	1690	2690	3449.3839	3447.1572	Cont	2560505.5
429	0	21800	7935	1690	2690	3387.3331	3386.815	Cont	3572059
430	0	21800	5000	1370	2370	3146.3940	3146.2903	Cont	3062616.5
431	0	18511	5000	1230	2230	2997.2105	2996.9369	Cont	4570417
432	0	15652	5000	810	1810	2548.0485	2547.8182	Cont	2147930.5
433	0	12500	5000	600	1600	2379.5324	2379.4986	Cont	1958860.6
434	0	12500	6856	595	1595	2392.0229	2391.9905	Cont	851191
435	0	12500	8928	594.8	1594.8	2386.6325	2385.7418	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2387.1977	2384.3331	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2392.1071	2390.9888	Cont	2731819
438	0	13567	16979	594.5	1594.5	2429.3748	2428.8839	Cont	3153883.2

439	0	15605	17073	970	1970	2701.3942	2700.6470	Cont	2479278.5
440	0	16992	17189	1210	2210	2901.0296	2900.9135	Cont	866017.75
441	0	18372	17305	1050	2050	2932.0209	2931.6398	Cont	2341256.2
442	0	20053	15641	1450	2450	3182.5229	3181.7381	Cont	4098020.7
443	0	20444	14751	1450	2450	3247.3678	3245.6092	Cont	2979780.7
444	0	19441	12370	1850	2850	3449.4785	3440.3025	Cont	3920933
445	0	19462	10661	1885	2885	3481.1139	3471.7300	Cont	4517192
446	0	18985	8075	1611	2611	3299.3436	3297.4593	Cont	7849879
447	0	17287	9068	1549	2549	3054.5673	3043.0238	Cont	3571829.7
448	0	14953	8445	764	1764	2522.4913	2521.3921	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2410.9594	2405.4679	Cont	3344869.5
450	0	13594	13985	725	1725	2433.8279	2429.9174	Cont	3168726
451	0	15507	15465	1090	2090	2747.8380	2744.1514	Cont	3240518.2
452	0	16132	15751	931	1931	2778.5390	2775.5124	Cont	921241.87
453	0	16917	15726	1284	2284	2908.7992	2906.8387	Cont	435496.37
454	0	18267	15992	1259	2259	3012.7887	3011.0862	Cont	1786093.3
455	0	18301	14819	1410	2410	3096.8050	3090.4143	Cont	1887000.3
456	0	18693	13740	1617	2617	3221.1009	3208.4868	Cont	1664478.8
457	0	17787	12697	1250	2250	3037.4617	2983.7081	Cont	1143354.3
458	0	17624	11097	1650	2650	3027.0369	2950.3084	Cont	46877.496
459	0	15689	9547	810	1810	2605.6597	2599.1143	Cont	325796.53
460	0	15107	10236	790	1790	2526.4285	2517.7941	Cont	2299764
461	0	15203	11521	770	1770	2551.1877	2525.8898	Cont	1188807.5
462	0	15202	13261	770	1770	2569.4241	2547.5287	Cont	2427143.5
463	0	16195	14695	930	1930	2748.7611	2736.6759	Cont	979702.12
464	0	16990	14991	1210	2210	2893.8514	2884.4677	Cont	192655.17
465	0	16973	14319	1090	2090	2866.1475	2842.4803	Cont	300995.53
466	0	17455	13541	1250	2250	2956.5365	2917.8876	Cont	815578.87
467	0	16918	12954	1050	2050	2812.2914	2722.2092	Cont	59082.835
468	0	17268	12047	1250	2250	2900.1233	2787.2828	Cont	225309.32
469	0	16626	11660	930	1930	2753.6489	2667.1761	Cont	239884.65
470	0	16413	11034	910	1910	2719.7296	2667.8143	Cont	244550.18
471	0	16129	10301	850	1850	2668.1020	2644.9785	Cont	227482.17
472	0	16178	12422	1213	2213	2680.4544	2613.4138	Cont	297364.31
473	0	16142	13824	1050	2050	2702.1175	2676.3041	Cont	656989
474	0	16945	13630	1070	2070	2838.9646	2788.2947	Cont	180601.48
475	0	16784	12278	1010	2010	2786.0302	2671.5886	Cont	42484
476	0	16268	13173	1050	2050	2717.6521	2661.1896	Cont	135271
477	0	16365	13022	1100	2100	2731.1037	2662.1738	Cont	145908.67
478	0	16687	12823	1110	2110	2781.8511	2692.7155	Cont	54975.668
479	0	16845	12559	1040	2040	2798.2549	2687.7414	Cont	58884.996
480	0	16982	11866	1110	2110	2858.7338	2749.3282	Cont	128026.33

481	0	17160	11335	1310	2310	2919.0744	2825.3752	Cont	145059.65
482	0	17140	11057	1350	2350	2920.3306	2839.1038	Cont	48657.496
483	0	18324	11577	1580	2580	3224.0155	3179.5792	Cont	976391
484	0	18324	10947	1650	2650	3233.8539	3193.2779	Cont	781773.62
485	0	15902	11560	1150	2150	2628.1006	2584.3477	Cont	448827
486	0	15752	11270	1070	2070	2603.2591	2569.8559	Cont	131233.32
487	0	15602	11030	1000	2000	2580.0149	2555.2632	Cont	379078
488	0	15626	10290	900	1900	2577.3730	2563.6186	Cont	253546.84
489	0	15802	12740	920	1920	2636.6526	2591.2663	Cont	644496
490	0	15206	7144	750	1750	2529.792	2529.1385	Cont	7203686
491	0	17449	11097	1570	2570	2989.3401	2908.0919	Cont	42979.664
492	0	17424	11197	1530	2530	2983.0545	2896.6962	Cont	100972
493	0	16800	11500	1060	2060	2831.9147	2741.3515	Cont	124351.33
494	0	16840	11030	1180	2180	2842.7665	2770.5327	Cont	127458.33
495	0	16560	10700	1070	2070	2772.3823	2724.4492	Cont	157229.51
496	0	17130	10560	1350	2350	2934.6533	2876.2435	Cont	450920.81
497	0	17500	10800	1470	2470	2996.2465	2929.4809	Cont	301410.65
498	0	17130	10890	1360	2360	2922.7209	2848.3403	Cont	108572.17
499	0	17760	11170	1590	2590	3055.1773	2979.6168	Cont	180520
500	0	17550	11640	1500	2500	2987.8255	2890.1125	Cont	358294.5
501	0	16908	18700	1030	2030	2840.5245	2840.5129	Cont	948964.81
502	0	17002	17189	1210	2210	2901.0418	2900.9260	Cont	975487.18
503	0	16927	15726	1284	2284	2908.7921	2906.8282	Cont	496899.68
504	0	17000	14991	1210	2210	2893.8477	2884.4608	Cont	570526.5
505	0	16983	14319	1090	2090	2866.1626	2842.5056	Cont	417653.65
506	0	16955	13630	1070	2070	2838.9794	2788.3225	Cont	88252.828
507	0	16928	12954	1050	2050	2812.3389	2722.3238	Cont	97702.328
508	0	16855	12559	1040	2040	2798.3325	2687.8848	Cont	59750.996
509	0	16794	12278	1010	2010	2786.1480	2671.6405	Cont	82037.507
510	0	16636	11660	930	1930	2753.7974	2667.1844	Cont	70964.671
511	0	16423	11034	910	1910	2719.9374	2667.8723	Cont	114405.16
512	0	16139	10301	850	1850	2668.4092	2645.1727	Cont	572830.68
513	0	15699	9542	810	1810	2605.7371	2599.1823	Cont	1117802.6
514	0	14963	8435	764	1764	2522.5293	2521.4326	Cont	809781.12
515	0	12500	6846	595	1595	2391.7801	2391.7496	Cont	1437697.7
516	0	17283	12480	1225	2225	2905.1746	2809.3386	Cont	204297.34
517	0	17150	13050	1130	2130	2873.4939	2799.8638	Cont	187505.17
518	0	16950	13300	1080	2080	2826.2130	2757.2925	Cont	70775.828
519	0	16940	13300	1080	2080	2826.1951	2757.2502	Cont	28068.334
520	0	16700	13150	1080	2080	2786.0305	2713.3666	Cont	171009.82
521	0	16500	12670	1110	2110	2745.9295	2660.4684	Cont	89622.492
522	0	16530	12330	1050	2050	2743.5787	2649.1073	Cont	116272

523	0	17758	10649	1484	2484	3084.5699	3033.2265	Cont	232642.84	
524	0	5506	24899	0	0	0	0	Cont	0	1-2533
525	0	6447	26303	0	0	0	0	Cont	0	2-2642
526	0	7069	13079	0	0	0	0	Cont	0	3-2842
527	0	26439	26298	0	0	0	0	Cont	0	4-2643
528	0	5152	24460	0	0	0	0	Cont	0	5-2508
529	0	24908	24383	0	0	0	0	Cont	0	6-2483
530	0	4916	24385	0	0	0	0	Cont	0	7-2465
531	0	4845	23673	0	0	0	0	Cont	0	8-2460
532	0	7283	12480	0	0	0	0	Cont	0	10-2927
533	0	7288	27462	0	0	0	0	Cont	0	10T-2957
534	0	7729	10665	0	0	0	0	Cont	0	11-3234
535	0	7758	25649	0	0	0	0	Cont	0	11T-3215
536	0	6749	13388	0	0	0	0	Cont	0	13-2692
537	0	6281	12874	0	0	0	0	Cont	0	14-2138
538	0	5965	25190	0	0	0	0	Cont	0	WCS-2590

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	159033.37	0	943420.29	124725.82	0	1239129.6	
2	0	224234.20	67.408074	0	6599.6981	304431.09	-0.002356	
3	0	112174.43	0	0	4041.1244	29511.518	146937.49	
4	0	309865.14	0	0	0	4337.9330	260690.76	
5	0	260560.20	0	0	2807.7688	0	303222.05	
6	0	224606.89	0	0	0	8180.5638	108973.75	
7	0	303548.97	0	0	403.05252	1727.9266	273376.59	
8	0	320063.18	0	0	2725.7745	0	343733.23	
9	0	446507.35	0	0	0	2920.4341	390038.14	
10	0	382827.08	0	0	1947.5288	470.44501	408921.96	
11	0	571302.12	0	0	3840.0066	2531.3300	595795.88	
12	0	268491.33	622.00318	0	3372.3402	326108.83	-0.012468	
13	0	244857.58	0	0	880481.94	232693.15	906311.29	
14	0	106398.87	0	0	541625.28	0	685282.97	
15	0	381015.95	0	1.6211e-6	2190447.3	340.92907	2603991.0	
16	0	223356.85	0	2824091.1	435095.56	0	3497724.5	

17	0	341477.39	0	1.6858e-6	495756.45	0	866586.28
18	0	394235.41	0	275816.46	196237.17	8918.4629	943420.27
19	0	309909.81	0	0	2626.953	9619.8752	275816.44
20	0	108252.22	1.5118884	0	8111.4750	27860.679	-0.096993
21	0	292657.02	0	715951.17	10678.587	0	1140870.8
22	0	512252.58	0	0	3149.0550	4303.1912	490860.25
23	0	372472.58	0	0	7754.0158	6.1876489	451730.67
24	0	490116.64	0	0	440.30489	9748.4936	303554.43
25	0	564649.04	0	0	0	10638.790	346934.06
26	0	981234.89	0	0	3925.8150	7097.8473	863510.80
27	0	446478.70	0	0	1169.6587	30053.798	7519.9936
28	0	224629.56	1746023.1	68751.188	1162763.1	3277829.5	-7.463715
29	0	418108.70	0	1.3553e-6	2358520.0	4031.5208	2824091.1
30	0	396090.77	3856.7035	0	510638.31	965840.02	-0.016944
31	0	405064.77	0	0	0	26199.403	214081.63
32	0	115155.22	0	214081.63	13248.930	0	424836.46
33	0	54437.041	1012.8451	0	3552.6675	8752.4977	-15.49717
34	0	223261.66	0	0	2658.5227	2621.8855	225090.85
35	0	235875.04	0	451730.67	3254.6782	5026.3758	648618.92
36	0	208059.85	0	0	1090.7430	8169.2179	109193.76
37	0	142919.29	0	303554.43	6657.4084	3222.7325	454616.40
38	0	5859.6875	527.42638	0	8187.2008	8349.0998	-0.008671
39	0	40724.562	0	0	492.51007	31111.988	68750.201
40	0	287470.47	27981.484	0	1007747.3	1441612.4	-0.243935
41	0	148600.93	17170.098	9.690e-10	18274.996	312586.56	-0.117335
42	0	303392.93	89395.877	679747.17	20652.867	1269706.1	-1.335031
43	0	122462.77	0	474816.61	10966.629	0	672238.89
44	0	24081.895	2518.0186	0	20749.042	7111.5102	-20.72158
45	0	37624.437	0	0	235.80673	6550.9536	49979.378
46	0	101947.35	0	109193.76	3087.0464	5040.6998	183268.78
47	0	7385.3541	120.50607	2820.6229	114453.04	10254.540	-0.950037
48	52816.5	13869.895	0	423583.44	18650.688	898.11449	508022.41
49	0	29985.583	35334.270	0	55627.523	71524.654	-30.64250
50	0	30568.770	-47.35270	0	12419.925	47309.040	-1.628019
51	0	28435.270	14.978259	0	347.93675	75660.411	-1.078331
52	0	37170.541	4174.9010	0	105.36615	3881.0216	-0.178400
53	0	82123.625	1831.6179	0	1027.0424	13022.535	-0.159835
54	0	22575.187	0	0	0	3435.5277	5858.0893
55	0	5310.5	102413.06	1.0755e-9	143766.64	107564.09	-0.561417
56	0	16908.875	0	2.480e-10	249.47700	2316.9639	1164.4138
57	0	18238.583	1343.3533	0	931.47145	1911.1644	-0.109046
58	0	6871.9583	427.96793	0	2147.3808	203.64939	-0.062863

59	0	7360.625	29669.710	1166858.4	1229.1022	624288.03	-43.24741
60	0	9004.4583	1416.8497	0	1650.1734	848.69305	-0.012265
61	0	8484.375	818.01622	0	207.71060	544.50804	-0.011885
62	0	2764.375	158.63851	0	0	700.28094	-0.004991
63	0	122048.87	0	346934.06	3182.2778	4804.1189	423583.39
64	0	97721.708	0	0	2874.5988	7130.6669	39536.410
65	0	56103.375	3679.3557	0	592.76773	7963.8477	-0.199450
66	0	16404.166	667.60182	0	492.27891	3298.7436	-0.049534
67	0	47384.75	1243.2217	0	749.44424	8711.4142	-0.110467
68	0	31693.354	285.26478	0	96.359038	7111.8068	-0.107730
69	0	80562	0	1164.4138	4339.9884	12354.074	7507.0764
70	0	900460.81	82244.782	863510.80	8695.5550	1955199.1	-0.380696
71	0	3641.1458	0	0	6202.0598	0	14458.453
72	0	6143.9166	0	0	10617.259	0	26494.525
73	0	15543.916	1765.6110	0	796.54587	3651.2944	-0.116983
74	0	15932.291	1243.9636	0	27.983676	3677.0562	-0.114663
75	0	19653.687	943.19177	0	2339.4670	6781.1418	-0.212055
76	0	56365.104	4825.3529	0	13137.433	15859.540	-0.221126
77	0	37676.333	2932.4781	73993.291	771.14262	24498.146	-0.099712
78	0	12504.791	0	0	16401.908	0	28906.700
79	0	22565	3338.3054	0	3359.5932	7829.6215	-0.014506
80	0	44786.812	10191.226	0	5191.0853	16445.478	-0.031150
81	0	118620.60	0	1178135.4	32219.506	0	1369926.1
82	0	121935.91	0	0	20587.892	13676.572	37264.569
83	0	62112.458	1256.4997	0	2422.6359	4059.2383	-1.126823
84	0	71315.812	2852.6685	0	1898.4047	24727.864	-1.537104
85	0	52206.708	0	648618.92	15771.746	246.33493	736388.02
86	0	11031.604	0	919656.80	4976.1193	627.09693	920029.15
87	0	12212.791	0	1390510.7	3833.6625	123403.81	1166854.3
88	0	4400.4375	32330.209	0	598896.30	0	0.0010566
89	0	4022.5	79679.658	0	151395.69	120724.37	0.0510935
90	0	8870.5833	33676.709	0.0510935	72845.783	71481.157	-1.583280
91	0	14300.645	0	0	50658.632	12421.657	56868.703
92	0	71603.833	0	56868.703	89555.944	0	285284.67
93	0	139725.31	0	292804.66	41641.002	991.34378	548779.50
94	0	101222.64	783341.18	548779.50	2953.4476	1451522.5	-7.845417
95	0	179712.20	0	0	1924413.1	244668.66	1937936.8
96	0	25537.166	3023.4534	0	3361.9689	10028.099	-0.055461
97	0	23438.145	0	0	1467.3478	2591.6755	10006.985
98	0	8846.9791	13404.218	0	3018.2152	3054.0677	-14.26033
99	0	3508.5416	13271.869	0	4698.3150	170.14810	-0.849280
100	0	21376.229	0	0	0	1912.1402	2820.5245

101	0	11202.812	1720.0578	0	58.644404	1228.6888	-0.052096
102	0	14534	2866.2453	0	1865.8435	4859.7702	-0.059117
103	0	29080.354	0	0	6109.3750	732.84856	34456.880
104	[DELETED]						
105	[DELETED]						
106	0	0	0.0013303	0	283.96476	0	-0.000665
107	0	0	0.0038557	0	9415.7514	431.20670	-0.003152
108	0	0	0.0019852	0	10154.056	3068.8781	-0.747419
109	0	0	0.0050312	0	0	7821.9385	-0.003795
110	0	0	0.0019621	0	5273.2722	0	-0.000615
111	0	0	0.0064258	0	0	15199.091	-0.002049
112	0	0	0.0245427	0	767.80438	3374.9301	-0.002724
113	0	0	0.0344633	0	4876.3664	0	-0.002366
114	0	0	0.0141215	0	0	5663.4077	-0.001816
115	0	0	0.0032103	0	3811.9500	962.90114	-0.000357
116	0	0	0.0139542	0	7557.2183	5022.1545	-0.004575
117	0	0	0.0168827	0	6653.2808	469.83121	-0.016175
118	0	0	0.0030035	0	1126.0090	265.84624	-0.005117
119	0	0	0.0115054	0	4991.0029	0	-6.976972
120	0	0	0.0651089	0	2786.5775	0	-0.090768
121	0	0	0.0273868	0	643.10597	0	-0.008860
122	0	0	0.0132280	0	1641.1871	0	-0.003676
123	0	0	0.0092896	0	10874.500	143.31192	-0.005749
124	0	0	0.0236953	0	5363.5613	10904.405	-0.028700
125	0	0	0.0152148	0	27559.080	39288.918	-11.05689
126	0	0	0.0157512	0	19459.946	0	-0.020199
127	0	0	0.0240656	0	6075.7906	8249.6392	-0.016740
128	0	0	0.0259724	0	14070.845	229.84178	-0.009849
129	0	0	0.2000245	0	854.43713	19134.621	-0.030092
130	0	0	0.3066953	0	0	20969.746	-0.027049
131	0	0	0.1179237	0	6900.2137	14007.310	-0.036215
132	0	0	0.6643961	0	2885.2477	56255.362	-0.335484
133	0	0	4.1220531	0	110440.96	84608.160	-179.4865
134	0	0	0.1245206	0	3388.5438	43.279359	-0.049422
135	0	0	0.0695316	0	6939.5629	1278.4660	-0.019072
136	0	0	0.1100663	0	0	31728.142	-0.112923
137	0	0	0.0538336	0	21995.274	0	-0.094641
138	0	0	0.2133208	0	8657.8997	14488.843	-126.5223
139	0	0	0.0519342	0	5109.6901	4956.3084	-0.077037
140	0	0	0.1020587	0	6223.8713	9825.7562	-0.132156
141	0	0	0.1016462	0	2466.9318	15517.594	-0.059954
142	0	0	0.7076981	0	12381.606	7745.8884	-0.135085

143	0	0	0.8909816	0	11917.088	11636.572	-0.014548
144	0	0	0.0754062	0	19794.637	11902.702	-86.69017
145	0	0	0.3725127	0	23463.795	1840.6905	-0.320424
146	0	0	0.6157620	0	31597.083	841.76515	-0.152949
147	0	0	0.7561062	0	35096.733	1696.0363	-0.162327
148	0	0	0.2344779	0	17866.674	0	-0.181908
149	0	0	0.2719341	0	14959.705	21822.395	-164.9874
150	0	0	0.1072210	0	11281.939	4220.6096	-94.66304
151	0	0	0.2479035	0	6233.1923	9897.1636	-0.241080
152	0	0	0.0839591	0	133583.54	176628.74	-100.6884
153	0	0	0	0	31951.291	11072.487	20878.804
154	0	0	4.4392929	0	128980.43	146398.40	-255.4992
155	0	0	0.3120420	0	60364.668	58817.356	-231.7895
156	0	0	0.1152291	0	12755.379	3652.4027	-162.1020
157	0	0	6.7959976	0	17.763897	7133.5229	-0.203088
158	0	0	3.1989044	0	2117.6167	21792.973	-0.169351
159	0	0	0.2048947	0	4475.7988	4318.0990	-141.8648
160	0	0	0.0271091	0	29866.235	173463.27	-0.968996
161	0	0	0.3877599	0	605.89025	3892.4535	-0.067675
162	0	0	2.1381334	0	1662.3035	4046.3257	-0.131799
163	0	0	0.6273560	0	3936.4155	6786.1772	-0.069940
164	0	0	0.0139831	0	11788.266	591010.12	-0.001583
165	0	0	1.8140398	0	3768.4419	1426.3517	-0.011656
166	0	0	1.0989488	0	548.53717	1078.2831	-0.009385
167	0	0	0.2124768	0	0	951.95565	-0.005011
168	0	0	0.8705698	0	6165.0926	10021.329	-0.039731
169	0	0	0.7908761	0	6153.3997	11861.288	-0.036512
170	0	0	6.5382612	0	1008.3653	13854.344	-0.199034
171	0	0	1.1972264	0	1066.0492	5505.9713	-0.053313
172	0	0	2.2561267	0	1827.4051	14850.292	-0.112165
173	0	0	0.5220766	0	1002.9549	11442.052	-0.111439
174	0	0	0.7755455	0	7345.5426	21894.241	-0.208478
175	0	0	0.6836059	0	16992.970	5554.3997	-0.398290
176	0	0	0.1337705	0	6922.7365	0	-0.001924
177	0	0	0.3257203	0	14599.696	0	-0.001625
178	0	0	2.8131011	0	1796.4264	6957.1418	-0.136170
179	0	0	1.9084835	0	95.040505	6150.3187	-0.126936
180	0	0	1.5802706	0	5509.8848	11762.035	-0.244353
181	0	0	8.1683350	0	21722.587	30135.537	-0.213653
182	0	0	5.0046996	0	8425.6592	37981.751	-0.068632
183	0	0	0	0	28863.537	0	28863.537
184	0	0	5.0613919	0	6495.4032	12180.087	-0.016675

185	0	0	15.204159	0	10908.597	25864.963	-0.037000
186	0	0	0.0021058	0	5260.6314	0	-0.011954
187	0	0	0.0170628	0	25570.374	37491.767	-0.115715
188	0	0	0.2435410	0	2884.0184	9861.1648	-1.428639
189	0	0	0.8057291	0	5851.4881	14673.365	-1.732662
190	0	0	0.1487318	0	15620.263	7827.747	-1.133291
191	0	0	0.0999147	0	6233.4934	5831.2597	-1.535295
192	0	0	0.1399803	0	105208.01	148844.78	-1.166184
193	0	0	0	0	691461.80	0	1327088.7
194	0	0	0	0	206056.23	0	320429.66
195	0	0	1.3140147	0	148732.88	164120.37	-1.270034
196	0	0	0.1506262	0	63875.593	61801.493	-1.641471
197	0	0	0.2916792	0	25739.385	11208.387	-1.922347
198	0	0	0.2573237	0	32886.611	21717.711	-1.786618
199	0	0	1.8632255	0	81306.491	104809.29	-4.159025
200	0	0	0.0133577	0	5999.5717	2475.5133	-0.137867
201	0	0	4.0108347	0	7961.1858	17647.431	-0.065358
202	0	0	0.2661257	0	3283.3449	5881.6434	-0.122003
203	0	0	0.8313210	0	6548.2830	6413.5485	-122.7970
204	0	0	0.3294670	0	9198.2825	8954.0585	-0.949589
205	0	0	0.3650754	0	138.38411	3366.6656	-0.139500
206	0	0	2.5086359	0	684.54632	4206.2613	-0.061361
207	0	0	3.9556110	0	3581.9604	10114.095	-0.070475
208	0	0	2.1757910	0	8423.6914	8425.8672	4.376e-12
209	[DELETED]						
210	[DELETED]						
211	0	0	0.0105924	0	1204.6560	0	-0.000845
212	0	0	0.0285345	0	17530.198	1124.5077	-0.003992
213	0	0	0.0117674	0	18636.312	6167.0457	-4.366735
214	0	0	0.0299999	0	220.45678	13003.355	-0.004485
215	0	0	0.0117106	0	9376.1313	0	-0.000700
216	0	0	0.0383383	0	0	26447.502	-0.002438
217	0	0	0.1462633	0	1388.3467	6494.5122	-0.003212
218	0	0	0.2051905	0	7748.6898	0	-0.002780
219	0	0	0.0842299	0	66.933860	10794.830	-0.002123
220	0	0	0.0191606	0	7328.2595	2005.0783	-0.000412
221	0	0	0.0830306	0	14679.745	9803.5328	-0.005368
222	0	0	0.1172582	0	12789.122	1266.6325	-0.020474
223	0	0	0.0236598	0	2382.9271	384.41977	-0.006362
224	0	0	0.0655801	0	4930.5316	0	-52.88909
225	0	0	0.4768511	0	5758.5953	0	-0.112763
226	0	0	0.2175379	0	1810.3631	0	-0.011304

227	0	0	0.1050026	0	4114.4493	0	-0.004707
228	0	0	0.0737520	0	20190.154	941.41230	-0.007249
229	0	0	0.1510522	0	11296.682	19726.808	-0.034812
230	0	0	0.0862994	0	48730.755	68638.537	-63.60541
231	0	0	0.0936477	0	32543.706	0	-0.024204
232	0	0	0.1433478	0	11869.440	15813.059	-0.019714
233	0	0	0.1546885	0	23300.038	1174.4424	-0.011544
234	0	0	1.1756259	0	1614.8590	36974.307	-0.035566
235	0	0	1.7951234	0	0	40861.238	-0.031817
236	0	0	0.6993129	0	10986.953	27759.458	-0.042344
237	0	0	3.4728944	0	6941.0288	102847.26	-0.394639
238	0	0	7.7355532	0	210229.18	206479.26	-1304.713
239	0	0	0.9777207	0	8763.6957	392.71207	-0.062656
240	0	0	0.4668024	0	13911.626	2910.8721	-0.024125
241	0	0	0.7166198	0	0	48107.917	-0.138732
242	0	0	0.3077287	0	29807.227	0	-0.116192
243	0	0	0.6029476	0	17400.667	27925.069	-584.9534
244	0	0	0.3003868	0	9474.7653	8982.7436	-0.091518
245	0	0	0.5860279	0	11508.836	18822.232	-0.155302
246	0	0	0.5977713	0	5863.6386	28330.503	-0.070269
247	0	0	3.1974190	0	22133.601	18689.695	-0.164814
248	0	0	1.1217404	0	17533.458	20229.731	-0.039240
249	0	0	0.4255045	0	38288.827	24186.713	-502.9078
250	0	0	2.2631846	0	36260.087	3894.9381	-0.385047
251	0	0	3.6832484	0	45470.682	3585.0768	-0.196022
252	0	0	3.3281593	0	54806.731	3931.3683	-0.204650
253	0	0	1.1712160	0	24452.097	1021.3187	-0.221127
254	0	0	0.5863970	0	27898.416	38562.500	-740.3952
255	0	0	0.5995268	0	19449.598	10776.713	-540.0249
256	0	0	1.3485206	0	12605.386	19217.659	-0.295782
257	0	0	0.3343039	0	223306.06	281851.76	-524.8736
258	0	0	0	0	53635.620	19954.126	50485.459
259	0	0	6.7890408	0	220290.60	254094.98	-1090.710
260	0	0	1.4763773	0	124321.50	125320.34	-1192.732
261	0	0	0.6112545	0	44575.342	31271.085	-917.6271
262	0	0	8.7452478	0	0	10675.886	-0.321941
263	0	0	5.1188391	0	5374.6536	31267.432	-0.183740
264	0	0	0.8810882	0	11267.724	13419.121	-751.8416
265	0	0	0.0040197	0	128726.52	273629.74	-4.977558
266	0	0	1.3090311	0	1448.6022	6336.2982	-0.122540
267	0	0	2.7924005	0	3552.7871	7811.5104	-0.242583
268	0	0	0.7514613	0	6992.0098	11509.811	-0.118835

269	0	0	-0.000190	0	114948.69	217988.21	-0.603376
270	0	0	0	0	12508.050	0	46508.627
271	0	0	0	0	2643.9046	1137.6554	25424.337
272	0	0	0	0	815.79804	2567.4525	4224.3018
273	0	0	3.9416725	0	11654.931	20732.727	-0.048372
274	0	0	3.5692466	0	13742.960	26422.667	-0.046381
275	0	0	10.414148	0	1995.2268	20686.522	-0.189411
276	0	0	1.9788507	0	2201.6138	7573.4785	-0.061332
277	0	0	3.8391445	0	4589.8368	20654.878	-0.109537
278	0	0	0.9531702	0	4908.2272	15648.603	-0.105644
279	0	0	3.3746231	0	10275.757	33054.440	-0.214769
280	0	0	2.4885456	0	32425.943	11172.068	-0.494758
281	0	0	0	0	8291.9138	629.67019	8048.1032
282	0	0	0	0	25673.771	0	28761.795
283	0	0	3.3471333	0	3813.2426	15693.035	-0.210267
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285	0	0	2.3647820	0	12400.598	18971.367	-0.370948
286	0	0	11.998814	0	32563.274	53831.678	-0.231114
287	0	0	7.4213917	0	20373.408	54252.621	-0.080172
288	0	0	0	0	47232.402	1634.9812	61295.301
289	0	0	6.0821407	0	12295.452	19325.702	-0.023345
290	0	0	17.134255	0	22746.393	43142.967	-0.058496
291	0	0	0.0124805	0	8377.5023	0	-0.025349
292	0	0	0.0970227	0	44019.016	64606.097	-0.035112
293	0	0	0.6881664	0	7999.0460	20217.740	-1.676556
294	0	0	1.7371144	0	13728.592	26308.416	-1.174857
295	0	0	0.8314846	0	23976.788	14181.922	-0.953059
296	0	0	0.4302338	0	13608.776	15518.271	-1.139866
297	0	0	0.5548464	0	178411.11	238379.03	-1.472444
298	0	0	0	0	396717.46	104938.10	393757.94
299	0	0	0	0	296875.46	40422.727	369762.26
300	0	0	2.0085354	0	258654.02	287838.25	1.4429508
301	0	0	0.6973131	0	131493.57	131417.54	0.6176194
302	0	0	1.5455508	0	59380.484	39426.799	-0.585868
303	0	0	1.4580609	0	61960.689	43380.193	-1.493174
304	0	0	3.4894656	0	202128.07	198342.03	-3.538382
305	0	0	0.0994574	0	11656.934	86.403566	-0.128540
306	0	0	3.7705707	0	18225.637	30038.888	-0.077319
307	0	0	1.0333884	0	7591.0136	12682.758	-0.138297
308	0	0	1.0636473	0	15842.156	23795.323	-541.8930
309	0	0	0.4216157	0	30686.678	36778.700	-0.652105
310	0	0	1.3997403	0	1925.9493	5866.9294	-0.168362

311	0	0	2.5488581	0	2381.4424	6508.2761	-0.116900
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319	0	0	0.1352905	0	2209.5921	20027.577	-0.003739
320	0	0	0.0530890	0	15441.191	0	-0.000465
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323	0	0	0.9184159	0	9625.0573	0	-0.002257
324	0	0	0.3805861	0	1123.9107	20937.903	-0.001668
325	0	0	0.0868619	0	13750.069	4259.0867	-0.000297
326	0	0	0.3723192	0	27905.706	18879.819	-0.004234
327	0	0	0.5232299	0	24016.722	3503.3653	-0.017305
328	0	0	0.1093630	0	5138.6411	263.52291	-0.004787
329	0	0	0.2227017	0	9854.7853	0	-196.2137
330	0	0	2.0062436	0	12082.103	0	-0.084618
331	0	0	1.0419471	0	5146.0676	0	-0.010056
332	0	0	0.5053256	0	10414.275	0	-0.004274
333	0	0	0.3551760	0	36150.364	3605.0559	-0.006134
334	0	0	0.6834591	0	24818.650	35343.605	-0.030404
335	0	0	0.3632417	0	77340.226	107404.29	-268.3111
336	0	0	0.4165428	0	47690.7	0	-0.021604
337	0	0	0.6435830	0	22909.559	29965.271	-0.016114
338	0	0	0.6936402	0	33330.608	4201.4129	-0.009191
339	0	0	5.0182850	0	2937.7427	69789.073	-0.029692
340	0	0	7.5348356	0	0	78110.474	-0.025965
341	0	0	3.0823269	0	18729.078	59208.076	-0.033235
342	0	0	12.541831	0	17133.121	176739.39	-0.324881
343	0	0	13.615356	0	428638.87	417632.76	-4459.907
344	0	0	4.4756652	0	21670.906	1899.6596	-0.053691
345	0	0	2.1031668	0	27536.125	6749.0034	-0.020566
346	0	0	3.1615397	0	0	60710.533	-0.125229
347	0	0	1.2735369	0	27862.947	0	-0.117947
348	0	0	1.8303023	0	33616.953	51542.548	-1919.118
349	0	0	1.277512	0	16648.686	15646.346	-0.080309
350	0	0	2.4487870	0	20552.346	35060.087	-0.128087
351	0	0	2.5535285	0	14092.324	49410.994	-0.056199
352	0	0	9.8090115	0	38594.143	39215.862	-0.162694

353	0	0	1.6380122	0	26999.995	30012.463	-0.215662
354	0	0	1.7201799	0	72983.845	53247.875	-2097.945
355	0	0	8.7074648	0	51360.376	8474.6689	-0.271060
356	0	0	12.298507	0	53219.926	10696.496	-0.198712
357	0	0	11.673038	0	73472.566	9256.6498	-0.184355
358	0	0	3.9214837	0	30094.041	9442.1922	-0.216186
359	0	0	1.3625292	0	50369.878	63551.154	-2040.591
360	0	0	2.3048727	0	31047.854	27172.293	-2087.332
361	0	0	4.9835709	0	25328.313	36311.439	-0.285857
362	0	0	0.9163525	0	192710.67	217391.79	-1455.267
363	0	0	5.0647047	0	62108.144	49833.225	-0.434689
364	0	0	8.8635954	0	89263.845	107668.66	-2660.412
365	0	0	4.2665105	0	206518.44	209532.87	-3012.356
366	0	0	2.1141527	0	151937.17	138554	-3392.595
367	0	0	8.6644319	0	4465.8359	24143.201	-1.444415
368	0	0	7.7342014	0	13079.513	36915.395	-0.160783
369	0	0	2.3134899	0	29907.113	41481.605	-1982.132
370	0	0	0.7054900	0	275051.96	172881.96	-1683.592
371	0	0	2.4904135	0	3675.0754	8866.2599	-0.279562
372	0	0	3.372912	0	21877.328	33730.515	-1.574348
373	0	0	1.0643598	0	37182.807	39669.511	-1.214702
374	0	0	0.8244288	0	142413.04	67123.552	-1238.643
375	0	0	2.6829158	0	25268.686	7721.9458	-0.283739
376	0	0	3.3205462	0	42123.571	28000.070	-0.256206
377	0	0	1.1360987	0	16407.075	11835.597	-0.198609
378	0	0	11.527632	0	21656.763	39971.303	-0.048430
379	0	0	10.263857	0	31235.856	54060.792	-0.057122
380	0	0	14.301794	0	6386.4621	25742.539	-0.126602
381	0	0	2.9981007	0	4022.3736	8386.1260	-0.084798
382	0	0	6.2587300	0	10518.061	22467.808	-0.071697
383	0	0	1.9282998	0	14032.875	18900.325	-0.034936
384	0	0	8.8267358	0	13236.519	40438.064	-0.060658
385	0	0	8.0671470	0	60201.630	21992.356	-0.368277
386	0	0	1.2429018	0	13883.671	15349.913	-0.121603
387	0	0	2.9658139	0	36821.500	37940.937	-0.064290
388	0	0	4.0562381	0	18557.194	17186.311	-0.324709
389	0	0	3.3077800	0	22874.966	20680.950	-0.320899
390	0	0	3.4910393	0	26918.304	29789.594	-0.652251
391	0	0	15.765404	0	47930.208	68489.125	-0.276987
392	0	0	10.574447	0	43369.402	65760.821	-0.106281
393	0	0	2.5952864	0	36995.763	21267.650	-0.017787
394	0	0	6.7704246	0	23072.061	29938.105	-0.026815

395	0	0	16.395599	0	42520.759	50750.764	-0.015282
396	0	0	0.0547153	0	13013.251	0	-0.070238
397	0	0	0.4086498	0	66492.010	97686.292	0.2621950
398	0	0	2.0885372	0	20282.728	39804.526	-2.428361
399	0	0	4.0357695	0	29807.773	45184.759	-0.504784
400	0	0	3.1970698	0	38027.932	31792.102	-0.097563
401	0	0	1.1301802	0	30434.278	40885.548	-0.787399
402	0	0	1.5156786	0	139489.28	161319.09	0.2816279
403	0	0	0.8361566	0	189392.27	114495.12	2.7417839
404	0	0	1.3570491	0	240766.85	160380.33	4.4081675
405	0	0	2.622855	0	110327.68	124283.77	5.8982514
406	0	0	2.0032817	0	223195.26	223274.10	6.3730598
407	0	0	5.3405324	0	171517.62	146538.34	5.1754965
408	0	0	5.9008899	0	111900.46	80897.575	0.4067523
409	0	0	6.1403497	0	414450.40	403446.02	-1.023705
410	0	0	0.3566405	0	22007.470	761.48096	-0.051338
411	0	0	4.1978633	0	34455.160	36085.923	-0.052273
412	0	0	2.5463431	0	17351.796	21978.588	-0.125565
413	0	0	1.2745383	0	38864.167	56674.876	-1322.422
414	0	0	0.5054001	0	68177.194	85076.312	-1.213377
415	0	0	3.146413	0	29627.148	39336.410	-0.024866
416	0	0	2.1790639	0	29041.055	33605.062	-0.453287
417	0	0	3.0012703	0	50444.758	50239.443	-0.016909
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423	0	0	0.2430902	0	35713.132	12102.192	-91.16086
424	0	0	1.0093013	0	4846.5947	11261.415	-0.003683
425	0	0	0.4107158	0	9763.0056	0	-0.000239
426	0	0	1.3266383	0	0	23938.846	-0.002237
427	0	0	4.8682698	0	892.50721	11911.107	-0.002595
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429	0	0	2.8881030	0	2736.9121	20083.767	-0.001470
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432	0	0	3.2111118	0	20800.304	5400.3880	-0.014042
433	0	0	0.6635112	0	5930.3100	0	-0.002719
434	0	0	0.5634250	0	16717.316	0	-508.2414
435	0	0	10.488919	0	12228.047	0	-0.045171
436	0	0	7.6074806	0	7572.5173	0	-0.010826

437	0	0	3.8448400	0	13178.032	0	-0.004736
438	0	0	2.7085423	0	29398.568	5877.3048	-0.005893
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441	0	0	2.8583130	0	23645.097	1758.8833	-0.022648
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444	0	0	29.852566	0	2312.8917	59112.317	-0.028403
445	0	0	41.368567	0	0	67185.844	-0.024394
446	0	0	20.721170	0	17124.252	67342.476	-0.028092
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448	0	0	24.835482	0	1017901.7	997786.03	-8956.091
449	0	0	26.752908	0	23907.595	3933.7880	-0.050175
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452	0	0	7.1244111	0	19265.285	16589.286	-0.135077
453	0	0	7.9881875	0	73038.251	99987.106	-8323.012
454	0	0	7.8723900	0	13154.869	13019.889	-0.080018
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462	0	0	46.868991	0	39620.635	11660.045	-0.158816
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467	0	0	2.3223159	0	138861.85	132975.00	-3774.753
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472	0	0	12.724178	0	8139.7597	8279.9474	-0.334302
473	0	0	15.459385	0	14891.832	17479.869	-0.117885
474	0	0	5.8880854	0	47788.983	55477.581	-5090.089
475	0	0	1.9779541	0	113637.34	77681.945	-4755.929
476	0	0	4.7009354	0	5468.2759	5789.4152	-0.250978
477	0	0	5.6452947	0	5766.5271	5889.1340	-0.288995
478	0	0	2.2298199	0	5224.2887	4620.0179	-0.199983

479	0	0	2.5292239	0	51925.192	30567.986	-3498.948
480	0	0	6.6865094	0	13998.596	11121.442	-0.312887
481	0	0	7.9842498	0	25509.467	24163.795	-0.386784
482	0	0	2.6198924	0	10678.363	10549.174	-0.334151
483	0	0	32.615043	0	21338.904	33917.180	-0.060583
484	0	0	26.710673	0	33499.922	46258.176	-0.082273
485	0	0	20.615714	0	11142.304	12713.304	-0.116755
486	0	0	5.1600522	0	4351.9599	4453.4280	-0.120385
487	0	0	12.609338	0	9914.9667	9568.7196	-0.059475
488	0	0	5.9400684	0	12615.268	11541.218	-1.03e-10
489	0	0	21.242773	0	15571.242	17282.270	-1.93e-10
490	0	0	31.740052	0	50423.595	21082.858	-0.164178
491	0	0	2.4006369	0	8883.4850	9343.0197	-0.246949
492	0	0	5.7232062	0	22933.515	23601.594	-0.111114
493	0	0	6.8861739	0	18687.497	17490.868	-0.325038
494	0	0	6.5256212	0	20663.992	20265.782	-0.356621
495	0	0	6.8696056	0	22585.440	23062.897	-0.676440
496	0	0	23.011829	0	37011.452	45299.767	-0.350346
497	0	0	16.323203	0	38331.924	43420.132	-0.153452
498	0	0	5.7587955	0	15351.478	15390.083	-3.68e-11
499	0	0	9.7424967	0	18598.441	20478.515	-0.036807
500	0	0	20.480415	0	32244.888	32454.926	0.0183040
501	0	0	0.2578101	0	14298.448	0	-0.300150
502	0	0	1.9548014	0	97363.000	125243.62	1.6476269
503	0	0	9.1131884	0	66595.545	89634.540	-5.484799
504	0	0	13.219177	0	70835.679	85420.335	0.4252079
505	0	0	10.640037	0	47528.793	51330.770	1.2596402
506	0	0	2.8769664	0	66412.933	69471.512	-0.826702
507	0	0	3.8391804	0	112791.59	103661.72	2.7989661
508	0	0	2.5651896	0	95017.647	67928.020	8.8609605
509	0	0	3.8166297	0	149514.33	116580.12	11.964352
510	0	0	4.0003851	0	54438.921	39812.342	16.189827
511	0	0	5.1376973	0	216612.36	214336.59	18.623275
512	0	0	17.674980	0	384136.11	376340.26	25.808996
513	0	0	25.062570	0	144562.24	129746.99	3.2108150
514	0	0	11.194832	0	991263.11	967363.91	0.2954703
515	0	0	0.9167399	0	42137.853	0	2.1010e-6
516	0	0	8.7888180	0	25383.254	24168.540	-0.038151
517	0	0	6.6654171	0	16010.384	16011.382	-0.103475
518	0	0	2.5797330	0	57238.549	59212.419	-3380.543
519	0	0	1.0231746	0	93404.294	91972.011	-0.112162
520	0	0	6.4622994	0	8659.5463	8436.2931	-1.00e-10

521	0	0	3.8369299	0	4588.0618	4140.1458	-0.056899	
522	0	0	5.4217806	0	5225.3444	4145.0421	9.049e-11	
523	0	0	9.9867993	0	37434.278	37444.265	-1.14e-10	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643
528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

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TIME - 10 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	409	-126202.3119							
-1	19	15938578.651			-2	7	577882.06464		
-3	9	1697260.7385			-4	9	988268.13049		

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Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil

Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area
Gradient	0.04133	0.18519	0.22749	0.29088	0.06073	0.05394	0.05355	0.06165	0.07242	0.03897	0.00015	0.01074	Grad
Angle deg	205.18	194.72	203.8	233.46	196.93	197.72	177.1	179.91	135.52	153.61	153.61	252.48	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2
Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3
Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.02317	0.19500	0.20175	0.00029	0.01503	0.23032	0.23798	0.21155	0.16454	0.14172	0.23196	0.07156	Grad
Angle deg	179.86	213.17	145.62	155.84	210.85	145.68	148.49	149.36	49.82	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45110	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	172.07	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area
Gradient	0.44994	0.05561	0.36415	0.18956	0.36099	0.53079	0.03760	0.03565	0.04072	0.20642	0.19259	0.49517	Grad
Angle deg	155.71	274.44	193.63	161	187.37	173.58	143.84	214.66	198.21	237.38	275.34	162.62	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.19058	0.36242	0.03398	0.18324	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad

Angle deg	15.02	155.41	210	176.46	170.7	55.41	114.27	123.01	203.71	93.88	90.72	184.86	Angle
ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.26750	1.29198	0.48072	0.56934	0.07752	0.03479	0.09371	0.44202	Grad
Angle deg	158.37	176.09	148.11	164.69	221.8	142.34	163.29	166.52	238.85	276.35	244.72	160.14	Angle
ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.45046	0.43368	0.43024	0.39585	0.25725	0.06979	0.05821	0.19248	0.24844	0.36387	0.31893	0.03918	Grad
Angle deg	167.48	182.48	182.73	177.24	185.49	170.43	207.55	138.35	3.19	183.56	190.33	226.9	Angle
ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.19313	0.24012	0.26506	0.31928	0.29961	0.25886	0.28267	0.33924	0.34207	0.38618	0.82566	0.85440	Grad
Angle deg	139.88	219.8	169.69	165.58	201.47	201.47	205.35	227.7	168.96	163.27	166	172.83	Angle
ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.05517	0.39894	0.04923	0.11553	0.08238	0.15488	0.19127	0.20914	0.16380	0.05289	0.38745	0.36282	Grad
Angle deg	94.25	160.71	344.32	245.79	311.08	178.21	190.41	235.17	241.9	132.42	180.55	182.25	Angle

ELEM	109	110	111	112	[D]	[D]	[D]	116	117	118	119	120	ELEM
Node1	47	47	102	59				73	90	49	52	44	Node1
Node2	58	58	101	101				60	60	102	101	45	Node2
Node3	57	59	52	102				90	89	52	57	43	Node3
Matl	6	6	2	2				2	2	2	2	2	Matl
Soil	1	1	1	1				1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985				44572	90640	113504	73412	264604	Area
Gradient	0.28331	0.28009	0.26051	0.26854				0.40273	0.38646	0.16585	0.08996	0.31713	Grad
Angle deg	258.1	257.51	293.11	297.78				109.56	109.08	1.23	261.17	208.48	Angle

ELEM	[D]	[D]	[D]	124	125	126	127	128	129	130	131	132	ELEM
Node1				77	37	38	38	63	79	48	60	73	Node1
Node2				76	63	79	77	80	64	80	73	74	Node2
Node3				27	80	80	79	79	77	72	61	61	Node3
Matl				3	2	3	3	2	2	3	3	3	Matl
Soil				1	1	1	1	1	1	1	1	1	Soil
Area ft^2				294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient				0.60445	0.44136	0.52101	1.00722	0.46386	0.42916	1.00246	0.28986	0.09291	Grad
Angle deg				168.12	168.6	162.78	139.5	156.23	132.14	171.54	78.73	111.49	Angle

ELEM	133	134	135	136	137	138	139	[D]	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77		71	3	3	20	Node1
Node2	74	78	75	74	78	74	71		78	81	20	82	Node2
Node3	91	62	76	78	76	75	38		77	82	82	83	Node3
Matl	3	3	3	3	3	3	3		3	7	7	7	Matl
Soil	1	1	1	1	1	1	1		1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	Area
Gradient	0.30031	0.13503	0.42295	0.07408	0.82155	0.37778	1.04359		1.23258	0.11912	0.11900	0.00434	Grad
Angle deg	167.62	275.5	180.71	315.37	106.09	140.53	140.14		149.59	90	90.95	117.08	Angle

ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM
Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00383	0.02588	0.02738	0.15835	0.15829	0.02902	0.02902	0.05016	0.05025	0.29063	0.41177	0.91355	Grad
Angle deg	77.98	271.76	256.83	267.74	270	270	270	270	267.31	252.19	306.7	285.62	Angle

ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1

Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2
Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.83538	0.33254	0.32558	0.04306	0.00797	0.07967	0.07903	0.04849	0.04581	0.04725	0.13214	0.11502	Grad
Angle deg	270.1	89.74	82.63	345.74	141.58	265.5	263.77	259.82	243.43	243.43	167.66	149.74	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.06159	1.80833	0.81596	0.33076	0.36636	0.37063	0.15277	0.01008	0.08911	0.12509	0.21980	0.09609	Grad
Angle deg	180	192.42	211.48	203.55	177.91	186.91	339.93	256.5	184.38	350.65	256.68	326.65	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.21194	1.18339	0.89317	0.08453	0.40340	0.04199	0.18366	0.22553	0.27882	0.06714	0.05357	0.05335	Grad
Angle deg	317.06	304.15	6.87	135.62	157.8	203.36	194.38	203.55	230.96	195.04	196.16	177.86	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2
Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06151	0.07038	0.04229	0.00119	0.01137	0.02456	0.18901	0.19508	0.00350	0.01715	0.22404	0.23388	Grad
Angle deg	179.52	138.05	154.05	169.24	247.26	180.16	212.81	146.14	176.64	205.05	146.1	149.68	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3

Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.20409	0.14714	0.13078	0.21812	0.06909	0.21270	0.15655	0.18614	0.15200	0.05120	0.08146	0.07624	Grad
Angle deg	150.88	52.03	220.02	177.37	56.22	131.36	200.44	177.33	82.21	343.61	15.18	357.9	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM
Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1
Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10171	0.11175	0.12307	0.12935	0.43274	0.43065	0.05691	0.30709	0.18682	0.30680	0.45076	0.04270	Grad
Angle deg	251.18	252.65	249.63	220.62	172.37	156.35	208.12	189.04	161.97	187.83	173.87	155.76	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.04202	0.04566	0.19803	0.17883	0.42154	0.18611	0.20081	0.18078	0.32811	0.03910	0.16599	0.17126	Grad
Angle deg	205.02	196.85	235.75	269.27	165.89	18.36	156.33	205.2	176.32	170.91	57.8	116.25	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14629	0.02484	0.17606	0.16547	0.35921	0.35180	0.25445	0.21237	0.20622	0.31789	1.13898	0.45394	Grad
Angle deg	124.16	182.65	96.27	94.64	183.74	159.42	176.11	152.02	164.93	160.01	140.11	162.42	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil

Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area
Gradient	0.49419	0.08218	0.06027	0.09364	0.38025	0.38975	0.37882	0.38201	0.35515	0.22411	0.07206	0.08617	Grad
Angle deg	166.68	214.4	213.86	223.68	161.8	169.59	182.96	182.69	177.94	187.4	179.85	204.76	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2
Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3
Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.17484	0.20187	0.33020	0.29392	0.04399	0.19136	0.22926	0.25270	0.31086	0.29153	0.28985	0.34397	Grad
Angle deg	150.13	1	184.88	191.08	224.74	141.51	216.75	171.48	166.58	199.13	199.12	206.77	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	1.35902	0.39723	0.40737	0.58759	0.59367	0.07286	0.34093	0.02855	0.11675	0.06160	0.12870	0.17108	Grad
Angle deg	205.3	173.09	165.84	159.81	163.81	96.67	157.86	22.95	229.25	304.45	179.3	194.3	Angle

ELEM	289	290	291	292	293	294	295	296	297	[D]	[D]	[D]	ELEM
Node1	161	161	159	203	191	152	152	207	164				Node1
Node2	174	162	158	202	151	163	163	206	206				Node2
Node3	162	205	205	151	190	162	164	157	207				Node3
Matl	12	12	12	12	12	16	16	12	12				Matl
Soil	2	2	2	2	2	2	2	2	2				Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985				Area
Gradient	0.18468	0.14522	0.06889	0.37350	0.35361	0.26884	0.91233	0.26604	0.76397				Grad
Angle deg	231.77	237.24	177.63	185.22	184.04	263.18	289.49	299.94	346.63				Angle

ELEM	301	302	303	304	305	[D]	[D]	[D]	309	310	311	312	ELEM
Node1	178	195	154	157	149				182	142	143	143	Node1
Node2	165	165	207	206	150				181	168	184	182	Node2
Node3	195	194	157	162	148				132	185	185	184	Node3
Matl	12	12	12	12	12				13	12	13	13	Matl
Soil	2	2	2	2	2				2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604				294860	416524.	39625	15670	Area
Gradient	0.38878	0.41333	0.21204	0.11135	0.29231				0.50300	0.46208	0.46214	0.70109	Grad

Angle deg	100.01	101.3	13.6	289.04	207.57				164.83	172.29	156.33	142.22	Angle
ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.48137	0.42461	0.80299	0.32245	0.10151	0.26462	0.04352	0.40748	0.02292	0.76733	0.32642	0.69829	Grad
Angle deg	158.79	140.48	163.89	77.7	108.06	162.93	272.57	175.1	308.61	107.84	140.45	142.16	Angle
ELEM	[D]	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1		176	108	108	125	125	138	138	149	149	150	150	Node1
Node2		183	186	125	187	138	188	149	189	150	190	159	Node2
Node3		182	187	187	188	188	189	189	190	190	191	191	Node3
Matl		13	17	17	17	17	17	17	17	17	17	17	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient		1.02875	0.11015	0.11023	0.00560	0.00423	0.02781	0.02798	0.14182	0.14183	0.03929	0.03924	Grad
Angle deg		159.67	93.74	91.81	128.66	82.61	271.12	268.13	269.63	268.73	265.42	267.23	Angle
ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.06633	0.06647	0.79721	0.82394	0.15147	0.15842	0.37262	0.37467	0.04813	0.02661	0.06902	0.06780	Grad
Angle deg	268.36	266.38	264.25	275.93	304.22	306.72	75.27	82.65	5.64	115.6	260.4	248.02	Angle
ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.04845	0.04859	0.05042	0.05298	0.05160	0.05135	1.59081	0.71805	0.41832	0.42984	0.36425	0.09641	Grad
Angle deg	238.42	235.75	236.03	218.94	218.78	212.74	191.68	209.57	204.31	190.05	189.62	315.6	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM
Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area
Gradient	0.10180	0.12721	0.14594	0.25153	0.11849	0.90453	0.86988	0.92354	0.31790	0.31784	0.04386	0.17915	Grad
Angle deg	267.63	231.16	310.93	263.19	311.06	309.52	340.88	9.4	160.02	160.02	198.84	193.48	Angle

ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.22141	0.25845	0.07440	0.05282	0.05264	0.06054	0.06523	0.04986	0.00407	0.01332	0.02803	0.17667	Grad
Angle deg	203.15	226.12	193.05	194.03	180.12	178.66	145.01	155.07	171.84	235.7	180.83	211.9	Angle

ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.18108	0.01148	0.02310	0.20912	0.22243	0.19152	0.11799	0.11304	0.19510	0.06539	0.19248	0.13362	Grad
Angle deg	147.56	178.08	195.78	147.3	152.1	153.83	57.13	215.15	175.17	62.46	130.42	193.54	Angle

ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM
Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16095	0.13860	0.04204	0.06962	0.06397	0.09565	0.10771	0.11985	0.13640	0.40079	0.39749	0.12069	Grad
Angle deg	173.82	83.68	346.11	17.51	353.23	250.1	252.06	248.81	213.31	172.82	157.42	175.34	Angle

ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1

Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2
Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.22328	0.17506	0.22209	0.31291	0.05795	0.05836	0.05707	0.18099	0.15608	0.30645	0.11080	0.18755	Grad
Angle deg	179.72	164.32	187.81	175.05	172.08	192.89	194.56	231.53	258.74	173.15	28.85	158.08	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.16809	0.27534	0.04814	0.13780	0.15514	0.13852	0.03639	0.15753	0.16092	0.34146	0.33547	0.25445	Grad
Angle deg	197.04	176.06	171.36	63.25	120.08	126.42	163.3	101.08	101.49	181.86	161.36	176.16	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.21844	0.21668	0.38334	0.92534	0.40910	0.39848	0.10665	0.12249	0.11117	0.27335	0.28274	0.27894	Grad
Angle deg	158.57	165.17	158.99	137.13	160.78	166.52	189.01	192.7	198.79	166.36	173.76	183.83	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2
Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.28977	0.28063	0.17429	0.07311	0.12582	0.16448	0.12772	0.27883	0.25596	0.05202	0.18784	0.21368	Grad
Angle deg	182.6	180.6	192.45	194.53	204.21	170.24	354.48	187.49	192.37	220.71	144.37	211.62	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3

Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.23362	0.29684	0.27914	0.33613	0.40914	1.19687	0.45509	0.42895	0.53355	0.53532	0.14594	0.26884	Grad
Angle deg	174.71	168.34	195.3	196.35	205.74	203.42	177.21	169.27	147.37	161.07	96.36	152.43	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM
Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1
Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.04589	0.12595	0.02918	0.08231	0.13390	0.15502	0.14676	0.12834	0.36435	0.34088	0.24823	0.76572	Grad
Angle deg	100.04	206.61	274.43	181.41	202.42	237.12	238.59	205.64	191.6	187.16	264.93	288.94	Angle

ELEM	481	482	[D]	[D]	[D]	486	487	488	489	490	[D]	[D]	ELEM
Node1	312	269				283	300	259	262	254			Node1
Node2	311	311				270	270	312	311	255			Node2
Node3	262	312				300	299	262	267	253			Node3
Matl	22	22				22	22	22	22	22			Matl
Soil	2	2				2	2	2	2	2			Soil
Area ft^2	58460	56985				44572	90640	113504	73412	264604			Area
Gradient	0.23069	0.61491				0.46647	0.36223	0.22602	0.13699	0.25457			Grad
Angle deg	305.47	346.16				79.2	62.08	23.78	304.01	205.81			Angle

ELEM	[D]	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1		287	247	248	248	273	289	258	270	283	283	284	Node1
Node2		286	273	289	287	290	274	290	283	284	284	288	Node2
Node3		237	290	290	289	289	287	282	271	271	301	272	Node3
Matl		23	22	23	23	22	22	23	23	23	23	23	Matl
Soil		2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2		294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient		0.38453	0.48319	0.42755	0.46799	0.49579	0.42520	0.67478	0.45261	0.11908	0.23130	0.06099	Grad
Angle deg		159.04	176.64	153.54	150.1	162.33	150.63	161.7	70.62	85.72	154.31	98.06	Angle

ELEM	505	506	507	508	509	[D]	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287		281	213	213	230	230	243	Node1
Node2	285	284	288	284	281		288	291	230	292	243	293	Node2
Node3	286	288	286	285	248		287	292	292	293	293	294	Node3
Matl	23	23	23	23	23		23	27	27	27	27	27	Matl
Soil	2	2	2	2	2		2	2	2	2	2	2	Soil

Area ft^2	143185	67450	94050	69365	25987.5		52650	7555	7555	7315	7315	3675	Area
Gradient	0.37833	0.03398	0.67179	0.26633	0.51494		0.80780	0.09494	0.09500	0.00579	0.00483	0.02995	Grad
Angle deg	168.53	152.3	110.44	141.28	150.76		166.1	93.78	91.82	121.5	81.54	271.35	Angle

ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2
Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.03007	0.11662	0.11664	0.05624	0.05623	0.09871	0.09905	0.66942	0.67045	0.10948	0.14077	0.35231	Grad
Angle deg	269.23	269.8	268.45	266.79	267.36	268.5	265.52	263.97	265.33	240.1	302.6	77.56	Angle

ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.35388	0.05587	0.04467	0.05541	0.05387	0.05215	0.05228	0.05412	0.05629	0.05044	0.05003	1.32776	Grad
Angle deg	82.02	28.46	97.05	264.32	243.47	242.53	235.94	236.19	220.88	220.4	212.93	190.76	Angle

ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area
Gradient	0.62306	0.50089	0.50211	0.35964	0.10339	0.19647	0.20648	0.20323	0.26405	0.13373	0.75299	0.71450	Grad
Angle deg	206.07	203.4	199.39	195.06	252.11	267.74	250.1	279.1	264.81	294.64	306.71	339.72	Angle

ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.77453	0.38334	0.38329	0.04693	0.17242	0.21477	0.23247	0.08259	0.05140	0.05121	0.05926	0.06043	Grad

Angle deg	12.66	159	159	192.77	192.02	202.43	217.84	191.25	191.62	184.11	176.94	154.97	Angle
ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.05852	0.00848	0.01671	0.03260	0.15993	0.16220	0.02198	0.03199	0.18795	0.20668	0.17297	0.07866	Grad
Angle deg	156.47	173.72	223.33	181.61	210.48	149.84	178.6	189.69	149.4	156.03	158.94	69.86	Angle
ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09065	0.16430	0.06134	0.16381	0.10622	0.12781	0.11960	0.02842	0.05225	0.04687	0.08672	0.10165	Grad
Angle deg	206.15	171.31	72.06	128.76	180.08	166.78	86.73	351.92	22.84	342.48	247.94	250.85	Angle
ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11458	0.14917	0.35427	0.34973	0.17851	0.15491	0.16033	0.14469	0.17295	0.07551	0.07591	0.07011	Grad
Angle deg	247.41	204.26	173.58	158.91	167.65	164.93	167.63	184.17	177.6	180.02	187.46	192.69	Angle
ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.16003	0.13489	0.19303	0.04674	0.16956	0.15580	0.21419	0.06193	0.10253	0.13442	0.12694	0.05491	Grad
Angle deg	225.26	243.78	189.02	79.29	160.64	187.06	175.68	172.32	75.94	126.63	130.49	152.88	Angle

ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM
Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area
Gradient	0.13487	0.15684	0.31761	0.31323	0.25418	0.23029	0.23028	0.40820	0.41296	0.35161	0.32098	0.13871	Grad
Angle deg	109.78	111.22	179.31	164.39	176.25	166.59	165.54	159.18	143.95	159.54	165.35	174.18	Angle

ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.17367	0.13793	0.16471	0.16945	0.16914	0.18088	0.19537	0.12589	0.08543	0.16257	0.17276	0.05209	Grad
Angle deg	183.78	180.85	175.01	179.11	185.4	183.14	187.36	203.16	209.12	206.28	190.51	325.8	Angle

ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.22011	0.21238	0.06375	0.18205	0.19732	0.21152	0.27747	0.26357	0.36849	0.40768	0.53734	0.44268	Grad
Angle deg	191.71	193.97	214.43	148.75	204.82	179.29	170.88	190.21	193.44	199.16	197.04	180	Angle

ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM
Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.43183	0.37718	0.37682	0.28050	0.33563	0.09005	0.14192	0.05209	0.04694	0.10504	0.12293	0.13803	Grad
Angle deg	172.89	157.39	156.51	150.98	153.89	133.12	184.79	184.28	186.85	212.05	238.32	235.35	Angle

ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1

Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2
Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.18816	0.36317	0.32906	0.17264	0.25041	0.09900	0.13379	0.34244	0.29911	0.31384	0.31889	0.25903	Grad
Angle deg	214.87	194.3	191.35	248.08	266.91	279.18	317.47	183.15	153.26	151.66	136.5	140.27	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.08296	0.08573	0.21126	0.39641	0.39263	0.39484	0.29140	0.46647	0.36649	0.33253	0.46895	0.41827	Grad
Angle deg	46.52	274.26	202.98	158.54	159.05	155.82	153.47	179.35	155.53	160.13	168.22	156.95	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.40813	0.24869	0.22735	0.25158	0.27299	0.33468	0.27298	0.37426	0.25937	0.37091	0.38760	0.38358	Grad
Angle deg	157.1	131.47	155.21	158.31	153.37	163.9	153.49	139.51	154.23	159.84	160.46	160.92	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2
Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.07203	0.07207	0.00574	0.00517	0.03075	0.03083	0.08736	0.08739	0.07784	0.07784	0.13270	0.13299	Grad
Angle deg	93.81	91.84	113.91	80.7	271.55	270.1	270.03	267.91	267.66	267.42	268.49	266.41	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3

Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.24870	0.24857	0.09227	0.09533	0.11196	0.11142	0.04318	0.04541	0.03850	0.03791	0.05520	0.05504	Grad
Angle deg	263.12	262.05	248.14	278.22	83	79.77	62.74	92.24	267.35	234.66	246.59	236.1	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM
Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1
Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.05827	0.06038	0.04839	0.04795	0.74915	0.39687	0.45408	0.45357	0.35739	0.16999	0.17736	0.17892	Grad
Angle deg	236.51	221.68	220.86	212.91	187.32	195.79	198.54	199.37	200.92	230.52	267.31	260.41	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.19150	0.16537	0.10127	0.21413	0.16610	0.17391	0.40821	0.40817	0.05345	0.15890	0.19868	0.19819	Grad
Angle deg	244.68	247.41	255.15	286.75	315.22	25.37	159.19	159.19	182.56	188.67	200.32	198.94	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.08998	0.05050	0.05047	0.05478	0.05439	0.06646	0.01651	0.02292	0.03808	0.13185	0.13116	0.03583	Grad
Angle deg	186.92	183.99	187.55	176.84	172.97	159.58	178.33	209.2	182.81	207.9	154.4	179.64	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil

Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area
Gradient	0.04657	0.15045	0.17697	0.15017	0.04617	0.06536	0.11906	0.05663	0.11441	0.07894	0.08406	0.08765	Grad
Angle deg	187.62	154.93	163.87	168.14	123.77	182.79	162.66	89.33	124.63	147.38	145.72	97.87	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2
Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3
Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00625	0.02229	0.02553	0.07019	0.08943	0.10146	0.17455	0.27285	0.26801	0.16601	0.10070	0.12530	Grad
Angle deg	71.51	56.28	288.43	240.3	246.39	243.41	191.86	174.4	161.17	168.18	156.63	174.17	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.08956	0.07452	0.08397	0.08459	0.08153	0.13007	0.11002	0.11757	0.07142	0.13951	0.14431	0.16736	Grad
Angle deg	174.61	180.56	180.01	188.48	190.88	214.91	225.55	212.56	154.29	165.35	180.35	175.68	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area
Gradient	0.07982	0.06858	0.10623	0.10535	0.08186	0.10925	0.15012	0.27274	0.27087	0.24482	0.24020	0.23750	Grad
Angle deg	174.17	113.84	140.83	141.74	150.33	129.67	127.02	175.64	170.01	176.39	174.8	168.25	Angle

ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.35586	0.21597	0.26910	0.25981	0.14072	0.16199	0.14132	0.08432	0.08353	0.08390	0.08466	0.11912	Grad

Angle deg	162.44	156.95	161.6	165.2	170.73	177.86	169.39	185.69	184.74	188.83	188.47	201.51	Angle

ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.11755	0.13197	0.17276	0.17500	0.05052	0.17516	0.17482	0.07970	0.16274	0.17592	0.18331	0.23948	Grad
Angle deg	202.13	200.9	204.72	199.8	230.01	195.51	195.64	208	157.11	199.33	184.37	174.53	Angle

ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.23295	0.31707	0.32613	0.28586	0.34095	0.37087	0.24713	0.24171	0.24371	0.35815	0.12729	0.14195	Grad
Angle deg	183.32	188.24	190.28	186.98	182.04	176.63	167.46	160.73	164.22	161.04	160.77	170.87	Angle

ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.11486	0.06977	0.11261	0.11279	0.14479	0.17490	0.29530	0.27947	0.11534	0.11263	0.12078	0.10134	Grad
Angle deg	178.48	189.64	206.23	209.92	210.54	205.6	191.89	194	193.89	219.15	201.03	204.21	Angle

ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.24614	0.21934	0.20145	0.34691	0.28211	0.09887	0.11955	0.17423	0.24464	0.23733	0.24086	0.22185	Grad
Angle deg	181.02	153.07	156.15	156.78	167.07	172.48	203.15	199.55	164.27	166.27	158.68	155.93	Angle

ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM
Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area
Gradient	0.37439	0.26727	0.23065	0.37280	0.35351	0.25742	0.21256	0.21774	0.24921	0.24484	0.25864	0.24620	Grad
Angle deg	180.7	163.49	173.63	176.27	163.18	160.93	158.82	168.35	170.49	163.54	165.36	165.31	Angle

ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.25968	0.25495	0.24316	0.24231	0.21360	0.03990	0.03993	0.00428	0.00413	0.03034	0.03037	0.06245	Grad
Angle deg	160.99	164.37	172.77	163.4	170.33	93.8	91.78	106.88	75.39	271.96	271.3	270.63	Angle

ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.06246	0.07857	0.07858	0.09402	0.09410	0.08583	0.08581	0.05654	0.05659	0.00784	0.00697	0.00160	Grad
Angle deg	267.67	268.15	267.96	268.3	267.41	262.32	260.37	255.3	264.74	228.63	263.21	120.86	Angle

ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM
Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.00653	0.02929	0.03058	0.05302	0.05260	0.05849	0.06044	0.04473	0.04427	0.41888	0.30201	0.32911	Grad
Angle deg	152.71	258.56	230.58	248.51	236.78	237.46	222.28	221.32	212.95	184.99	187.71	190.31	Angle

ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1

Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2
Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.32450	0.28942	0.15550	0.10088	0.10119	0.15561	0.14804	0.13915	0.13350	0.10276	0.08675	0.35588	Grad
Angle deg	194.47	198.08	216.35	267.59	263.49	216.86	216.28	202.84	217.85	200.88	170.23	162.45	Angle

ELEM	925	ELEM
Node1	484	Node1
Node2	447	Node2
Node3	523	Node3
Matl	42	Matl
Soil	2	Soil
Area ft^2	377244	Area
Gradient	0.35580	Grad
Angle deg	162.45	Angle

Model Parameters and Output

After Mining Condition

Domain and analysis parameters

Number of nodes..... 538
Number of elements..... 925
Number of materials..... 48
Number of soils..... 2
Number of connections.... 408
Number of injections..... 0
Number of particles..... 0

Length unit..... feet
Time unit..... year

Analysis time..... 0 year

Tolerance..... 0.0001 feet
Relaxation..... 1.9
Max head change/cycle.... 100 feet
Timestep size..... N/A
Substeps/timestep..... 1
Max cycles/timestep..... 10000000
Analysis type..... Steady State
Aquifer type..... Confined
Stiffness recalculation.. DEFAULT: Each timestep
Flows-only mode..... OFF

Number of traces..... 0
Timestep size..... 1 year
Substeps/timestep..... 20

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Material data

Mat'l #	--Hydraulic Conductivity-- (major)	(minor)	(z)	Major Angle	Specific Storage	Storage Coeff	Effect. Porosity	--Dispersivity--- Long	T'verse	Retard'n	Label

	[L/T]	[L/T]	[L/T]	(deg)	[1/L]	(ratio)	[-]	[L]	[L]	[-]	
1	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Greenstone
2	0.25	0.25	0.25	0	1.000e-4	0	0	0	0	0	Clastics
3	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Limestone
4	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/S
5	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/C
6	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	Orebody/N
7	100	100	100	0	1.000e-1	0	0	0	0	0	GP Fault
8	0.5	0.5	0.5	0	1.000e-4	0	0	0	0	0	West Lime
9	400	400	400	0	1.000e-1	0	0	0	0	0	Alluvium
10	[DELETED]										
11	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
12	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
13	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
14	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
15	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
16	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
17	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
18	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
19	[DELETED]										
20	[DELETED]										
21	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
22	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
23	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
24	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
25	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
26	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
27	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
28	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
29	[DELETED]										
30	[DELETED]										
31	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Greenstone
32	0.25	0.25	0.25	0	1.000e-7	0	0	0	0	0	Clastics
33	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Limestone
34	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/S
35	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/C
36	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	Orebody/N
37	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
38	0.5	0.5	0.5	0	1.000e-7	0	0	0	0	0	West Lime
39	2	2	1	0	1.000e-7	0	0	0	0	0	WCC Fault
40	[DELETED]										
41	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Greenstone

42	0.1	0.1	0.1	0	1.000e-7	0	0	0	0	0	Clastics
43	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Limestone
44	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/S
45	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/C
46	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	Orebody/N
47	100	100	100	0	1.000e-7	0	0	0	0	0	GP Fault
48	0.2	0.2	0.2	0	1.000e-7	0	0	0	0	0	West Lime

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Soil data

Soil #	Spec. Dist. Inflow [L^3/T]	Label	Soil #	Spec. Dist. Inflow [L^3/T]	Label
1	0.125	1.5"/yr	2	0	Lower layers

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Connection data

Conn #	Node 1	Node 2	Sat Cond [L^2/T]	Cur Cond [L^2/T]	Tr. Delay [LT]	Flow 1->2 [L^3/T]	Type
1	1	106	6359.3477	6359.3477	0	-11977.97	Lay
2	2	107	8962.0873	8962.0873	0	-73598.65	Lay
3	3	108	9690.085	9690.085	0	-60244.55	Lay
4	4	109	8263.0705	8263.0705	0	44778.074	Lay
5	5	110	6948.2722	6948.2722	0	-39886.80	Lay
6	6	111	5989.5172	5989.5172	0	107275.74	Lay
7	7	112	8094.6394	8094.6394	0	28024.926	Lay
8	8	113	8535.0183	8535.0183	0	-21966.99	Lay
9	9	114	11906.862	11906.862	0	53234.473	Lay
10	10	115	10208.722	10208.722	0	-24670.60	Lay
11	11	116	15234.723	15234.723	0	-23398.77	Lay
12	12	117	10733.260	10733.260	0	-53723.79	Lay
13	13	118	9791.2435	9791.2435	0	-13678.72	Lay
14	14	119	12400.837	12400.837	0	-37387.34	Lay
15	15	120	15235.877	15235.877	0	-33484.74	Lay
16	16	121	8931.4830	8931.4830	0	-16080.06	Lay

17	17	122	13649.645	13649.645	0	-29879.82	Lay
18	18	123	15757.232	15757.232	0	-86314.61	Lay
19	19	124	9769.3526	9769.3526	0	26754.101	Lay
20	20	125	12722.076	12722.076	0	88373.180	Lay
21	21	126	7804.1872	7804.1872	0	-121737.2	Lay
22	22	127	13660.068	13660.068	0	19690.891	Lay
23	23	128	9932.6022	9932.6022	0	-72449.74	Lay
24	24	129	13069.777	13069.777	0	169332.54	Lay
25	25	130	15057.307	15057.307	0	197249.40	Lay
26	26	131	26166.263	26166.263	0	111705.79	Lay
27	27	132	16108.606	16108.606	0	389770.21	Lay
28	28	133	37627.169	37627.169	0	-107765.4	Lay
29	29	134	16719.123	16719.123	0	-55219.33	Lay
30	30	135	15834.994	15834.994	0	-57672.82	Lay
31	31	136	14717.212	14717.212	0	162015.02	Lay
32	32	137	3990.245	3990.245	0	-83082.86	Lay
33	33	138	7953.1377	7953.1377	0	49275.957	Lay
34	34	139	5953.6444	5953.6444	0	-2354.735	Lay
35	35	140	6290.0011	6290.0011	0	34779.012	Lay
36	36	141	5548.2627	5548.2627	0	86953.953	Lay
37	37	142	3811.1811	3811.1811	0	-37356.24	Lay
38	38	143	312.51666	312.51666	0	6605.0940	Lay
39	39	144	11442.997	11442.997	0	-64982.53	Lay
40	40	145	13561.634	13561.634	0	-124623.5	Lay
41	41	146	8270.0543	8270.0543	0	-144786.0	Lay
42	42	147	15797.010	15797.010	0	-197386.3	Lay
43	43	148	5053.5188	5053.5188	0	-69565.15	Lay
44	44	149	5250.6338	5250.6338	0	37770.475	Lay
45	45	150	5547.485	5547.485	0	-30363.71	Lay
46	46	151	2718.5961	2718.5961	0	15485.912	Lay
47	47	152	2809.4277	2809.4277	0	-6456.538	Lay
48	48	153	1341.4866	1341.4866	0	22388.314	Lay
49	49	154	4944.7822	4944.7822	0	-59626.98	Lay
50	50	155	5452.4338	5452.4338	0	-49946.63	Lay
51	51	156	6224.5738	6224.5738	0	-63575.09	Lay
52	52	157	1378.4066	1378.4066	0	31168.656	Lay
53	53	158	3087.9861	3087.9861	0	69231.573	Lay
54	54	159	3592.2883	3592.2883	0	-12717.61	Lay
55	55	160	3504.2966	3504.2966	0	-16106.74	Lay
56	56	161	450.90333	450.90333	0	5135.1752	Lay
57	57	162	693.705	693.705	0	15536.579	Lay
58	58	163	277.60388	277.60388	0	4947.1052	Lay

59	59	164	2363.0122	2363.0122	0	-1873.999	Lay
60	60	165	703.27333	703.27333	0	-7788.205	Lay
61	61	166	967.06444	967.06444	0	15546.626	Lay
62	62	167	324.38333	324.38333	0	6033.9329	Lay
63	63	168	3254.6366	3254.6366	0	19911.439	Lay
64	64	169	2605.9122	2605.9122	0	36089.489	Lay
65	65	170	2294.6788	2294.6788	0	48135.013	Lay
66	66	171	640.92777	640.92777	0	13457.525	Lay
67	67	172	1882.825	1882.825	0	39185.397	Lay
68	68	173	1275.3644	1275.3644	0	24507.938	Lay
69	69	174	4035.3672	4035.3672	0	30139.537	Lay
70	70	175	40362.635	40362.635	0	-101954.8	Lay
71	71	176	286.53111	286.53111	0	5470.5573	Lay
72	72	177	673.14666	673.14666	0	12503.360	Lay
73	73	178	703.51555	703.51555	0	-10339.92	Lay
74	74	179	849.72222	849.72222	0	10738.272	Lay
75	75	180	1048.1966	1048.1966	0	12966.296	Lay
76	76	181	3006.1388	3006.1388	0	49722.913	Lay
77	77	182	1504.9438	1504.9438	0	46183.108	Lay
78	78	183	723.81444	723.81444	0	21233.497	Lay
79	79	184	663.17222	663.17222	0	19252.801	Lay
80	80	185	1392.4583	1392.4583	0	39194.292	Lay
81	81	186	6512.5994	6512.5994	0	-40958.06	Lay
82	82	187	13193.374	13193.374	0	91444.132	Lay
83	83	188	9771.5488	9771.5488	0	60515.818	Lay
84	84	189	6649.855	6649.855	0	48192.470	Lay
85	85	190	5898.6622	5898.6622	0	-32461.56	Lay
86	86	191	4080.2427	4080.2427	0	-14497.98	Lay
87	87	192	2846.5861	2846.5861	0	-6669.784	Lay
88	88	193	2766.44	2766.44	0	-2332.703	Lay
89	89	194	3055.3166	3055.3166	0	-14367.54	Lay
90	90	195	4363.9822	4363.9822	0	-53498.44	Lay
91	91	196	5075.7877	5075.7877	0	-47576.23	Lay
92	92	197	8738.5933	8738.5933	0	-91214.66	Lay
93	93	198	14545.261	14545.261	0	-83648.01	Lay
94	94	199	29462.452	29462.452	0	26104.057	Lay
95	95	200	28781.351	28781.351	0	-78643.37	Lay
96	96	201	680.99111	680.99111	0	10818.221	Lay
97	97	202	625.01722	625.01722	0	581.77231	Lay
98	98	203	2465.8861	2465.8861	0	4507.8327	Lay
99	99	204	2358.9944	2358.9944	0	4271.6160	Lay
100	100	205	570.03277	570.03277	0	4577.6262	Lay

101	101	206	298.74166	298.74166	0	8452.8989	Lay
102	102	207	387.57333	387.57333	0	5135.9716	Lay
103	106	211	2120.445	2120.445	0	-11693.83	Lay
104	107	212	2989.7894	2989.7894	0	-64613.49	Lay
105	108	213	4845.0425	4845.0425	0	-53158.41	Lay
106	109	214	4131.5352	4131.5352	0	36956.675	Lay
107	110	215	3474.1361	3474.1361	0	-34613.24	Lay
108	111	216	2994.7586	2994.7586	0	92078.344	Lay
109	112	217	4047.3197	4047.3197	0	25427.081	Lay
110	113	218	4267.5091	4267.5091	0	-17078.29	Lay
111	114	219	5953.4313	5953.4313	0	47574.236	Lay
112	115	220	5104.3611	5104.3611	0	-21821.06	Lay
113	116	221	7617.3616	7617.3616	0	-20861.47	Lay
114	117	222	3579.8844	3579.8844	0	-47537.75	Lay
115	118	223	3264.7677	3264.7677	0	-12818.32	Lay
116	119	224	4137.3933	4137.3933	0	-32324.65	Lay
117	120	225	5080.2127	5080.2127	0	-30655.21	Lay
118	121	226	2978.0913	2978.0913	0	-15429.96	Lay
119	122	227	4553.0319	4553.0319	0	-28234.67	Lay
120	123	228	5256.4722	5256.4722	0	-75581.07	Lay
121	124	229	4403.5119	4403.5119	0	21216.972	Lay
122	125	230	6361.0380	6361.0380	0	76661.961	Lay
123	126	231	3902.0936	3902.0936	0	-102275.6	Lay
124	127	232	6830.0344	6830.0344	0	17522.611	Lay
125	128	233	4966.3011	4966.3011	0	-58597.43	Lay
126	129	234	6534.8886	6534.8886	0	151233.66	Lay
127	130	235	7528.6538	7528.6538	0	176522.27	Lay
128	131	236	13083.131	13083.131	0	104645.08	Lay
129	132	237	8054.3030	8054.3030	0	339054.23	Lay
130	133	238	12560.904	12560.904	0	-45109.22	Lay
131	134	239	5574.7827	5574.7827	0	-51823.65	Lay
132	135	240	5281.2102	5281.2102	0	-51982.45	Lay
133	136	241	6347.0280	6347.0280	0	130337.05	Lay
134	137	242	1995.1225	1995.1225	0	-61070.13	Lay
135	138	243	3976.5688	3976.5688	0	43609.069	Lay
136	139	244	2976.8222	2976.8222	0	-2190.296	Lay
137	140	245	3145.0005	3145.0005	0	31228.935	Lay
138	141	246	2774.1313	2774.1313	0	74018.139	Lay
139	142	247	1905.5905	1905.5905	0	-27233.72	Lay
140	143	248	156.25833	156.25833	0	6310.2790	Lay
141	144	249	5721.4988	5721.4988	0	-56689.04	Lay
142	145	250	4522.5769	4522.5769	0	-102450.1	Lay

143	146	251	2758.6569	2758.6569	0	-111958.9	Lay
144	147	252	5270.5508	5270.5508	0	-162918.6	Lay
145	148	253	2526.7594	2526.7594	0	-51080.43	Lay
146	149	254	2625.3169	2625.3169	0	30896.309	Lay
147	150	255	2773.7425	2773.7425	0	-22828.46	Lay
148	151	256	1359.2980	1359.2980	0	12328.046	Lay
149	152	257	1404.7138	1404.7138	0	-3399.187	Lay
150	153	258	670.74333	670.74333	0	16444.223	Lay
151	154	259	2472.3911	2472.3911	0	-49374.53	Lay
152	155	260	2726.2169	2726.2169	0	-41735.74	Lay
153	156	261	3112.2869	3112.2869	0	-52617.52	Lay
154	157	262	689.20333	689.20333	0	20760.225	Lay
155	158	263	1543.9930	1543.9930	0	48499.847	Lay
156	159	264	1796.1441	1796.1441	0	-9220.221	Lay
157	160	265	1752.1483	1752.1483	0	-11845.98	Lay
158	161	266	225.45166	225.45166	0	4708.7309	Lay
159	162	267	346.8525	346.8525	0	11035.331	Lay
160	163	268	138.80194	138.80194	0	2808.7485	Lay
161	164	269	1181.5061	1181.5061	0	-1424.459	Lay
162	165	270	351.63666	351.63666	0	-3035.756	Lay
163	166	271	483.53222	483.53222	0	12056.476	Lay
164	167	272	162.19166	162.19166	0	5268.8071	Lay
165	168	273	1627.3183	1627.3183	0	20480.743	Lay
166	169	274	1302.9561	1302.9561	0	33269.832	Lay
167	170	275	1147.3394	1147.3394	0	34571.273	Lay
168	171	276	320.46388	320.46388	0	8843.1124	Lay
169	172	277	941.4125	941.4125	0	25817.606	Lay
170	173	278	637.68222	637.68222	0	13837.677	Lay
171	174	279	2017.6836	2017.6836	0	21492.228	Lay
172	175	280	13467.500	13467.500	0	-90291.45	Lay
173	176	281	143.26555	143.26555	0	5161.3165	Lay
174	177	282	336.57333	336.57333	0	11542.432	Lay
175	178	283	351.75777	351.75777	0	-5415.379	Lay
176	179	284	424.86111	424.86111	0	8089.1864	Lay
177	180	285	524.09833	524.09833	0	7214.5760	Lay
178	181	286	1503.0694	1503.0694	0	45270.589	Lay
179	182	287	752.47194	752.47194	0	35873.348	Lay
180	183	288	361.90722	361.90722	0	15326.428	Lay
181	184	289	331.58611	331.58611	0	14835.035	Lay
182	185	290	696.22916	696.22916	0	30159.122	Lay
183	186	291	3256.2997	3256.2997	0	-35697.27	Lay
184	187	292	6596.6872	6596.6872	0	79533.057	Lay

185	188	293	4885.7744	4885.7744	0	53586.162	Lay
186	189	294	3324.9275	3324.9275	0	39146.336	Lay
187	190	295	2949.3311	2949.3311	0	-24265.04	Lay
188	191	296	2040.1213	2040.1213	0	-10478.22	Lay
189	192	297	1423.2930	1423.2930	0	-3446.680	Lay
190	193	298	1383.22	1383.22	0	-1649.728	Lay
191	194	299	1527.6583	1527.6583	0	-10254.87	Lay
192	195	300	2181.9911	2181.9911	0	-43547.04	Lay
193	196	301	2537.8938	2537.8938	0	-38866.12	Lay
194	197	302	4369.2966	4369.2966	0	-73951.19	Lay
195	198	303	7272.6305	7272.6305	0	-72100.50	Lay
196	199	304	9851.1705	9851.1705	0	-34914.83	Lay
197	200	305	9605.8711	9605.8711	0	-75110.74	Lay
198	201	306	340.49555	340.49555	0	6935.3559	Lay
199	202	307	312.50861	312.50861	0	529.35371	Lay
200	203	308	1232.9430	1232.9430	0	2286.9245	Lay
201	204	309	1179.4972	1179.4972	0	2185.2887	Lay
202	205	310	285.01638	285.01638	0	3431.0000	Lay
203	206	311	149.37083	149.37083	0	5673.3143	Lay
204	207	312	193.78666	193.78666	0	3430.7942	Lay
205	211	316	1060.2225	1060.2225	0	-10487.80	Lay
206	212	317	1494.8947	1494.8947	0	-48203.99	Lay
207	213	318	2422.5212	2422.5212	0	-40683.38	Lay
208	214	319	2065.7676	2065.7676	0	24177	Lay
209	215	320	1737.0680	1737.0680	0	-25235.35	Lay
210	216	321	1497.3793	1497.3793	0	65640.925	Lay
211	217	322	2023.6598	2023.6598	0	20375.655	Lay
212	218	323	2133.7545	2133.7545	0	-9257.018	Lay
213	219	324	2976.7156	2976.7156	0	36865.147	Lay
214	220	325	2552.1805	2552.1805	0	-16494.95	Lay
215	221	326	3808.6808	3808.6808	0	-15972.10	Lay
216	222	327	1789.9422	1789.9422	0	-36004.81	Lay
217	223	328	1632.3838	1632.3838	0	-10818.32	Lay
218	224	329	2068.6966	2068.6966	0	-27301.89	Lay
219	225	330	2540.1063	2540.1063	0	-24806.59	Lay
220	226	331	1489.0456	1489.0456	0	-13564.86	Lay
221	227	332	2276.5159	2276.5159	0	-24089.87	Lay
222	228	333	2628.2361	2628.2361	0	-56317.16	Lay
223	229	334	2201.7559	2201.7559	0	12809.509	Lay
224	230	335	3180.5190	3180.5190	0	56834.928	Lay
225	231	336	1951.0468	1951.0468	0	-69722.39	Lay
226	232	337	3415.0172	3415.0172	0	13611.96	Lay

227	233	338	2483.1505	2483.1505	0	-36405.34	Lay
228	234	339	3267.4443	3267.4443	0	116817.87	Lay
229	235	340	3764.3269	3764.3269	0	136927.51	Lay
230	236	341	6541.5659	6541.5659	0	88126.601	Lay
231	237	342	4027.1515	4027.1515	0	248230.75	Lay
232	238	343	6280.4523	6280.4523	0	-41105.46	Lay
233	239	344	2787.3913	2787.3913	0	-43106.81	Lay
234	240	345	2640.6051	2640.6051	0	-40782.25	Lay
235	241	346	3173.5140	3173.5140	0	82486.189	Lay
236	242	347	997.56125	997.56125	0	-31189.42	Lay
237	243	348	1988.2844	1988.2844	0	33703.322	Lay
238	244	349	1488.4111	1488.4111	0	-1653.206	Lay
239	245	350	1572.5002	1572.5002	0	24147.489	Lay
240	246	351	1387.0656	1387.0656	0	52158.673	Lay
241	247	352	952.79527	952.79527	0	-13369.31	Lay
242	248	353	78.129166	78.129166	0	4388.6939	Lay
243	249	354	2860.7494	2860.7494	0	-41270.92	Lay
244	250	355	2261.2884	2261.2884	0	-69023.24	Lay
245	251	356	1379.3284	1379.3284	0	-66245.91	Lay
246	252	357	2635.2754	2635.2754	0	-108500.2	Lay
247	253	358	1263.3797	1263.3797	0	-26542.03	Lay
248	254	359	1312.6584	1312.6584	0	20824.824	Lay
249	255	360	1386.8712	1386.8712	0	-12176.66	Lay
250	256	361	679.64902	679.64902	0	7789.4336	Lay
251	257	362	777.67973	777.67973	0	-408.1927	Lay
252	258	363	335.37166	335.37166	0	9129.1418	Lay
253	259	364	1340.5410	1340.5410	0	-34231.35	Lay
254	260	365	1363.1084	1363.1084	0	-27868.87	Lay
255	261	366	1556.1434	1556.1434	0	-34685.01	Lay
256	262	367	458.41092	458.41092	0	3905.5644	Lay
257	263	368	771.99652	771.99652	0	22393.308	Lay
258	264	369	919.60253	919.60253	0	-4923.296	Lay
259	265	370	940.22866	940.22866	0	-5102.080	Lay
260	266	371	112.72583	112.72583	0	2461.4109	Lay
261	267	372	255.27044	255.27044	0	4439.2757	Lay
262	268	373	118.46965	118.46965	0	1562.9932	Lay
263	269	374	672.58390	672.58390	0	265.00687	Lay
264	270	375	175.81833	175.81833	0	413.96838	Lay
265	271	376	241.76611	241.76611	0	7971.0956	Lay
266	272	377	81.095833	81.095833	0	3433.9662	Lay
267	273	378	813.65916	813.65916	0	19012.453	Lay
268	274	379	651.47805	651.47805	0	26404.205	Lay

269	275	380	573.66972	573.66972	0	16152.141	Lay
270	276	381	160.23194	160.23194	0	3487.8855	Lay
271	277	382	470.70625	470.70625	0	9658.3634	Lay
272	278	383	318.84111	318.84111	0	2979.7769	Lay
273	279	384	1008.8418	1008.8418	0	8575.9443	Lay
274	280	385	6733.7502	6733.7502	0	-68640.16	Lay
275	281	386	71.632777	71.632777	0	3738.9161	Lay
276	282	387	168.28666	168.28666	0	8379.1948	Lay
277	283	388	175.87888	175.87888	0	-1132.623	Lay
278	284	389	212.43055	212.43055	0	4673.6012	Lay
279	285	390	262.04916	262.04916	0	2318.3745	Lay
280	286	391	751.53472	751.53472	0	33357.828	Lay
281	287	392	376.23597	376.23597	0	22286.268	Lay
282	288	393	180.95361	180.95361	0	8778.4088	Lay
283	289	394	165.79305	165.79305	0	9449.7646	Lay
284	290	395	348.11458	348.11458	0	17989.625	Lay
285	291	396	1628.1498	1628.1498	0	-27318.80	Lay
286	292	397	3298.3436	3298.3436	0	58963.809	Lay
287	293	398	2442.8872	2442.8872	0	41410.524	Lay
288	294	399	1662.4637	1662.4637	0	26381.379	Lay
289	295	400	1474.6655	1474.6655	0	-12941.74	Lay
290	296	401	1020.0606	1020.0606	0	-5464.230	Lay
291	297	402	711.64652	711.64652	0	-376.9178	Lay
292	298	403	691.61	691.61	0	279.10153	Lay
293	299	404	763.82916	763.82916	0	-4096.626	Lay
294	300	405	1090.9955	1090.9955	0	-27830.32	Lay
295	301	406	1268.9469	1268.9469	0	-25949.60	Lay
296	302	407	2184.6483	2184.6483	0	-48736.27	Lay
297	303	408	3636.3152	3636.3152	0	-52480.10	Lay
298	304	409	4925.5852	4925.5852	0	-32190.73	Lay
299	305	410	4802.9355	4802.9355	0	-63447.30	Lay
300	306	411	170.24777	170.24777	0	3048.2022	Lay
301	307	412	156.25430	156.25430	0	393.86219	Lay
302	308	413	616.47152	616.47152	0	1161.2937	Lay
303	309	414	632.11204	632.11204	0	1193.3096	Lay
304	310	415	198.66196	198.66196	0	1677.6570	Lay
305	311	416	149.37083	149.37083	0	3289.1227	Lay
306	312	417	193.78666	193.78666	0	1649.5010	Lay
307	316	421	219.35637	219.35637	0	-6385.121	Lay
308	317	422	309.28856	309.28856	0	-19888.82	Lay
309	318	423	894.05110	894.05110	0	-23706.05	Lay
310	319	424	427.40020	427.40020	0	6373.4657	Lay

311	320	425	359.39339	359.39339	0	-9786.254	Lay
312	321	426	309.80261	309.80261	0	23817.074	Lay
313	322	427	418.68824	418.68824	0	10489.141	Lay
314	323	428	441.46646	441.46646	0	675.47218	Lay
315	324	429	615.87221	615.87221	0	17133.816	Lay
316	325	430	528.03735	528.03735	0	-6990.873	Lay
317	326	431	788.00293	788.00293	0	-6889.021	Lay
318	327	432	370.33287	370.33287	0	-15456.45	Lay
319	328	433	337.73459	337.73459	0	-5938.005	Lay
320	329	434	748.86968	748.86968	0	-17222.20	Lay
321	330	435	525.53925	525.53925	0	-12526.03	Lay
322	331	436	308.07842	308.07842	0	-8166.055	Lay
323	332	437	471.00330	471.00330	0	-13534.21	Lay
324	333	438	543.77298	543.77298	0	-23703.43	Lay
325	334	439	455.53571	455.53571	0	2382.9678	Lay
326	335	440	1226.3859	1226.3859	0	27082.137	Lay
327	336	441	403.66485	403.66485	0	-21989.89	Lay
328	337	442	706.55528	706.55528	0	6701.0923	Lay
329	338	443	513.75528	513.75528	0	-6994.139	Lay
330	339	444	676.02296	676.02296	0	53183.285	Lay
331	340	445	778.82626	778.82626	0	63057.212	Lay
332	341	446	1353.4274	1353.4274	0	48611.096	Lay
333	342	447	833.20376	833.20376	0	97069.018	Lay
334	343	448	2375.1841	2375.1841	0	-27837.60	Lay
335	344	449	576.70166	576.70166	0	-21969.84	Lay
336	345	450	546.33209	546.33209	0	-19153.45	Lay
337	346	451	656.58910	656.58910	0	22735.168	Lay
338	347	452	206.39198	206.39198	0	-3063.308	Lay
339	348	453	784.10824	784.10824	0	17901.789	Lay
340	349	454	307.94712	307.94712	0	-476.3190	Lay
341	350	455	325.34488	325.34488	0	10534.633	Lay
342	351	456	286.97910	286.97910	0	18923.874	Lay
343	352	457	197.13005	197.13005	0	130.73979	Lay
344	353	458	16.164655	16.164655	0	1375.7759	Lay
345	354	459	1135.4397	1135.4397	0	-17765.42	Lay
346	355	460	467.85278	467.85278	0	-23806.57	Lay
347	356	461	285.37830	285.37830	0	-16398.69	Lay
348	357	462	545.22939	545.22939	0	-33730.49	Lay
349	358	463	261.38890	261.38890	0	-3599.566	Lay
350	359	464	533.00147	533.00147	0	10132.699	Lay
351	360	465	547.38530	547.38530	0	-2005.612	Lay
352	361	466	140.61704	140.61704	0	2423.7833	Lay

353	362	467	299.57775	299.57775	0	-2111.577	Lay
354	363	468	69.387241	69.387241	0	2182.2346	Lay
355	364	469	508.30271	508.30271	0	-8175.796	Lay
356	365	470	546.33553	546.33553	0	-8094.010	Lay
357	366	471	632.01324	632.01324	0	-11845.50	Lay
358	367	472	75.157434	75.157434	0	4419.9479	Lay
359	368	473	159.72342	159.72342	0	1499.2266	Lay
360	369	474	360.14186	360.14186	0	-1778.128	Lay
361	370	475	380.24155	380.24155	0	-3575.894	Lay
362	371	476	23.322586	23.322586	0	658.58471	Lay
363	372	477	38.430572	38.430572	0	1697.7696	Lay
364	373	478	15.704613	15.704613	0	104.72902	Lay
365	374	479	254.84681	254.84681	0	-1712.183	Lay
366	375	480	36.376206	36.376206	0	677.28979	Lay
367	376	481	50.020574	50.020574	0	2685.2466	Lay
368	377	482	16.778448	16.778448	0	1036.6769	Lay
369	378	483	168.34327	168.34327	0	10759.563	Lay
370	379	484	134.78856	134.78856	0	11623.245	Lay
371	380	485	118.69028	118.69028	0	1467.4756	Lay
372	381	486	33.151436	33.151436	0	-114.6883	Lay
373	382	487	97.3875	97.3875	0	-1124.393	Lay
374	383	488	65.967126	65.967126	0	-1470.897	Lay
375	384	489	208.72589	208.72589	0	1403.8521	Lay
376	385	490	1393.1897	1393.1897	0	-29800.3	Lay
377	386	491	14.820574	14.820574	0	1181.6701	Lay
378	387	492	34.817931	34.817931	0	2667.1997	Lay
379	388	493	36.388735	36.388735	0	531.92190	Lay
380	389	494	43.951149	43.951149	0	1474.8171	Lay
381	390	495	54.217069	54.217069	0	685.01926	Lay
382	391	496	155.48994	155.48994	0	11553.078	Lay
383	392	497	77.841925	77.841925	0	6706.6339	Lay
384	393	498	37.438678	37.438678	0	2511.4826	Lay
385	394	499	34.302011	34.302011	0	2949.7899	Lay
386	395	500	72.023706	72.023706	0	4827.9145	Lay
387	396	501	539.79479	539.79479	0	-14301.26	Lay
388	397	502	1258.9268	1258.9268	0	27814.493	Lay
389	398	503	969.60971	969.60971	0	22137.43	Lay
390	399	504	621.26108	621.26108	0	11813.544	Lay
391	400	505	565.94050	565.94050	0	-2069.148	Lay
392	401	506	423.93824	423.93824	0	-2091.429	Lay
393	402	507	284.67169	284.67169	0	-2005.404	Lay
394	403	508	278.22424	278.22424	0	-1864.174	Lay

395	404	509	306.97307	306.97307	0	-2876.184	Lay
396	405	510	457.08946	457.08946	0	-7346.234	Lay
397	406	511	512.61265	512.61265	0	-7586.769	Lay
398	407	512	748.04640	748.04640	0	-14016.45	Lay
399	408	513	1185.2553	1185.2553	0	-18537.48	Lay
400	409	514	1953.2180	1953.2180	0	-22869.37	Lay
401	410	515	1830.3250	1830.3250	0	-42131.00	Lay
402	411	516	35.223678	35.223678	0	551.83096	Lay
403	412	517	32.328477	32.328477	0	43.988813	Lay
404	413	518	253.45356	253.45356	0	-1430.836	Lay
405	414	519	255.92053	255.92053	0	-1446.942	Lay
406	415	520	31.315847	31.315847	0	484.02836	Lay
407	416	521	17.235096	17.235096	0	444.22117	Lay
408	417	522	22.36	22.36	0	379.08601	Lay

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TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node physical data

Node #	Link Node	X coord [L]	Y coord [L]	Base Elev [L]	Maximum Elev [L]	Initial Head [L]	Current Head [L]	Bound Type	Tributary Area [L^2]	Label
1	-1	2500	33700	2294	2344	2344	2344	Swamp	1272267	
2	-1	4902	33700	2430	2480	2372.4325	2375.0046	Swamp	1793873.7	
3	-1	6898	33700	2730	2780	2780	2780	Swamp	897395.5	
4	-1	9487	33700	3000	3050	3050	3050	Swamp	2478921.2	
5	-1	11800	33700	2900	2950	2950	2950	Swamp	2084481.7	
6	-1	11800	30591	3420	3470	3470	3470	Swamp	1796855.2	
7	-1	11800	27778	3430	3480	3480	3480	Swamp	2428391.7	
8	-1	11800	25426	3390	3440	3440	3440	Swamp	2560505.5	
9	-1	11800	22935	3390	3440	3440	3440	Swamp	3572059	
10	-1	11800	20000	3070	3120	3120	3120	Swamp	3062616.5	
11	-1	8511	20000	2930	2980	2980	2980	Swamp	4570417	
12	-1	5652	20000	2510	2560	2431.4647	2467.9123	Swamp	2147930.5	
13	-1	2500	20000	2300	2350	2350	2350	Swamp	1958860.6	
14	-1	2500	21856	2295	2345	2345	2345	Swamp	851191	
15	-1	2500	23928	2294.8	2344.8	2344.8	2344.8	Swamp	3048127.7	
16	-1	2500	26867	2294.6	2344.6	2344.6	2344.6	Swamp	1786854.7	
17	-1	2500	30420	2294.4	2344.4	2344.4	2344.4	Swamp	2731819	
18	1	3567	31979	2294.5	2344.5	2344.5	2344.5	Swamp	3153883.2	

19	18	5605	32073	2670	2720	2720	2720	Swamp	2479278.5
20	19	6992	32189	2910	2960	2833.6208	2959.9804	Swamp	866017.75
21	81	8372	32305	2750	2800	2800	2800	Swamp	2341256.2
22	21	10053	30641	3150	3200	3200	3200	Swamp	4098020.7
23	35	10444	29751	3150	3200	3200	3200	Swamp	2979780.7
24	37	9441	27370	3550	3600	3600	3600	Swamp	3920933
25	63	9462	25661	3585	3635	3635	3635	Swamp	4517192
26	70	8985	23075	3311	3361	3361	3361	Swamp	7849879
27	93	7287	24068	3249	3299	3299	3299	Swamp	3571829.7
28	15	4953	23445	2464	2514	2450.4695	2497.7709	Swamp	1797036.7
29	16	3769	26486	2294.8	2344.8	2344.8	2344.8	Swamp	3344869.5
30	17	3594	28985	2425	2475	2363.3123	2369.8403	Swamp	3168726
31	32	5507	30465	2790	2840	2840	2840	Swamp	3240518.2
32	43	6132	30751	2631	2681	2681	2681	Swamp	921241.87
33	32	6917	30726	2984	3034	2835.4421	2965.7432	Swamp	435496.37
34	21	8267	30992	2959	3009	3009	3009	Swamp	1786093.3
35	85	8301	29819	3110	3160	3160	3160	Swamp	1887000.3
36	46	8693	28740	3317	3367	3367	3367	Swamp	1664478.8
37	87	7787	27697	2950	3000	3000	3000	Swamp	1143354.3
38	77	7624	26097	3350	3400	3272.9666	3229.8381	Swamp	46877.496
39	28	5689	24547	2510	2560	2559.9008	2560	Swamp	325796.53
40	29	5107	25236	2490	2540	2393.6781	2413.1774	Swamp	2299764
41	29	5203	26521	2470	2520	2375.8753	2387.6052	Swamp	1188807.5
42	29	5202	28261	2470	2520	2399.3120	2422.9808	Swamp	2427143.5
43	42	6195	29695	2630	2680	2680	2680	Swamp	979702.12
44	43	6990	29991	2910	2960	2837.9079	2947.6888	Swamp	192655.17
45	43	6973	29319	2790	2840	2839.9639	2840	Swamp	300995.53
46	86	7455	28541	2950	3000	3000	3000	Swamp	815578.87
47	88	6918	27954	2750	2800	2799.9492	2800	Swamp	59082.835
48	89	7268	27047	2950	3000	3000	3000	Swamp	225309.32
49	91	6626	26660	2630	2680	2679.8950	2680	Swamp	239884.65
50	92	6413	26034	2610	2660	2659.8157	2660	Swamp	244550.18
51	93	6129	25301	2550	2600	2599.7832	2599.9505	Swamp	227482.17
52	69	6178	27422	2913	2963	2778.2612	2800.5175	Swamp	297364.31
53	42	6142	28824	2750	2800	2768.3957	2794.3425	Swamp	656989
54	87	6945	28630	2770	2820	2819.9804	2820	Swamp	180601.48
55	90	6784	27278	2710	2760	2759.6907	2759.8424	Swamp	42484
56	69	6268	28173	2750	2800	2795.6708	2800	Swamp	135271
57	56	6365	28022	2800	2850	2816.5539	2846.8839	Swamp	145908.67
58	59	6687	27823	2810	2860	2826.9209	2839.7694	Swamp	54975.668
59	89	6845	27559	2740	2790	2789.8110	2789.9318	Swamp	58884.996
60	90	6982	26866	2810	2860	2860	2860	Swamp	128026.33

61	73	7160	26335	3010	3060	3060	3046.7378	Swamp	145059.65
62	74	7140	26057	3050	3100	3100	3075.5476	Swamp	48657.496
63	48	8324	26577	3280	3330	3330	3330	Swamp	976391
64	77	8324	25947	3350	3400	3400	3400	Swamp	781773.62
65	41	5902	26560	2850	2900	2682.8741	2719.7288	Swamp	448827
66	41	5752	26270	2770	2820	2637.7106	2670.1589	Swamp	131233.32
67	41	5602	26030	2700	2750	2606.4650	2637.2246	Swamp	379078
68	40	5626	25290	2600	2650	2581.1532	2605.3377	Swamp	253546.84
69	42	5802	27740	2620	2670	2670	2670	Swamp	644496
70	95	5206	22144	2450	2500	2446.1079	2488.9782	Swamp	7203686
71	62	7449	26097	3270	3320	3228.3444	3176.3861	Swamp	42979.664
72	61	7424	26197	3230	3280	3214.5096	3162.3184	Swamp	100972
73	90	6800	26500	2760	2810	2810	2810	Swamp	124351.33
74	91	6840	26030	2880	2930	2930	2930	Swamp	127458.33
75	91	6560	25700	2770	2820	2820	2820	Swamp	157229.51
76	92	7130	25560	3050	3100	3100	3100	Swamp	450920.81
77	78	7500	25800	3170	3220	3220	3220	Swamp	301410.65
78	74	7130	25890	3060	3110	3110	3110	Swamp	108572.17
79	77	7760	26170	3290	3340	3288.5244	3271.9403	Swamp	180520
80	48	7550	26640	3200	3250	3185.7439	3178.0005	Swamp	358294.5
81	-1	6908	33700	2730	2780	2780	2780	Swamp	948964.81
82	81	7002	32189	2910	2960	2833.6348	2960	Swamp	975487.18
83	84	6927	30726	2984	3034	2835.4439	2965.7357	Swamp	496899.68
84	85	7000	29991	2910	2960	2837.9227	2947.7527	Swamp	570526.5
85	86	6983	29319	2790	2840	2840	2840	Swamp	417653.65
86	87	6955	28630	2770	2820	2820	2820	Swamp	88252.828
87	88	6928	27954	2750	2800	2800	2800	Swamp	97702.328
88	89	6855	27559	2740	2790	2790	2790	Swamp	59750.996
89	90	6794	27278	2710	2760	2760	2760	Swamp	82037.507
90	91	6636	26660	2630	2680	2680	2680	Swamp	70964.671
91	92	6423	26034	2610	2660	2660	2660	Swamp	114405.16
92	93	6139	25301	2550	2600	2600	2600	Swamp	572830.68
93	94	5699	24542	2510	2560	2560	2560	Swamp	1117802.6
94	95	4963	23435	2464	2514	2451.0858	2501.6271	Swamp	809781.12
95	-1	2500	21846	2295	2345	2345	2345	Swamp	1437697.7
96	87	7283	27480	2925	2975	2970.7920	2975	Swamp	204297.34
97	87	7150	28050	2830	2880	2880	2880	Swamp	187505.17
98	87	6950	28300	2780	2830	2806.8897	2826.1344	Swamp	70775.828
99	47	6940	28300	2780	2830	2806.8761	2826.0926	Swamp	28068.334
100	47	6700	28150	2780	2830	2830	2830	Swamp	171009.82
101	59	6500	27670	2810	2860	2816.3866	2860	Swamp	89622.492
102	55	6530	27330	2750	2800	2789.3951	2800	Swamp	116272

103	77	7758	25649	3184	3234	3234	3234	Swamp	232642.84
104	[DELETED]								
105	[DELETED]								
106	0	12500	33700	2194	2294	2345.4085	2345.8835	Cont	1272267
107	0	14902	33700	2330	2430	2379.7687	2383.2168	Cont	1793873.7
108	0	16898	33700	2630	2730	2781.8057	2786.2171	Cont	897395.5
109	0	19487	33700	2900	3000	3044.1674	3044.5809	Cont	2478921.2
110	0	21800	33700	2800	2900	2955.6584	2955.7405	Cont	2084481.7
111	0	21800	30591	3320	3420	3451.9661	3452.0894	Cont	1796855.2
112	0	21800	27778	3330	3430	3476.3610	3476.5378	Cont	2428391.7
113	0	21800	25426	3290	3390	3442.3784	3442.5737	Cont	2560505.5
114	0	21800	22935	3290	3390	3435.4712	3435.5290	Cont	3572059
115	0	21800	20000	2970	3070	3122.3709	3122.4166	Cont	3062616.5
116	0	18511	20000	2830	2930	2980.9915	2981.5358	Cont	4570417
117	0	15652	20000	2410	2510	2433.4528	2472.9176	Cont	2147930.5
118	0	12500	20000	2200	2300	2350.7868	2351.3970	Cont	1958860.6
119	0	12500	21856	2195	2295	2347.2480	2348.0149	Cont	851191
120	0	12500	23928	2194.8	2294.8	2346.2104	2346.9977	Cont	3048127.7
121	0	12500	26867	2194.6	2294.6	2345.8175	2346.4003	Cont	1786854.7
122	0	12500	30420	2194.4	2294.4	2346.0320	2346.5890	Cont	2731819
123	0	13567	31979	2194.5	2294.5	2349.3320	2349.9777	Cont	3153883.2
124	0	15605	32073	2570	2670	2713.9407	2717.2614	Cont	2479278.5
125	0	16992	32189	2810	2910	2831.7257	2953.0339	Cont	866017.75
126	0	18372	32305	2650	2750	2813.1389	2815.5989	Cont	2341256.2
127	0	20053	30641	3050	3150	3198.2420	3198.5585	Cont	4098020.7
128	0	20444	29751	3050	3150	3207.0383	3207.2941	Cont	2979780.7
129	0	19441	27370	3450	3550	3586.1321	3587.0439	Cont	3920933
130	0	19462	25661	3485	3585	3620.9084	3621.9000	Cont	4517192
131	0	18985	23075	3211	3311	3356.4928	3356.7309	Cont	7849879
132	0	17287	24068	3149	3249	3274.0432	3274.8036	Cont	3571829.7
133	0	14953	23445	2364	2464	2452.1621	2500.6349	Cont	1797036.7
134	0	13769	26486	2194.8	2294.8	2347.1365	2348.1027	Cont	3344869.5
135	0	13594	28985	2325	2425	2366.4775	2373.4824	Cont	3168726
136	0	15507	30465	2690	2790	2823.8296	2828.9914	Cont	3240518.2
137	0	16132	30751	2531	2631	2695.5974	2701.8214	Cont	921241.87
138	0	16917	30726	2884	2984	2834.0896	2959.5474	Cont	435496.37
139	0	18267	30992	2859	2959	3006.2868	3009.3955	Cont	1786093.3
140	0	18301	29819	3010	3110	3152.1423	3154.4707	Cont	1887000.3
141	0	18693	28740	3217	3317	3349.4216	3351.3277	Cont	1664478.8
142	0	17787	27697	2850	2950	2999.2741	3009.8017	Cont	1143354.3
143	0	17624	26097	3250	3350	3245.7914	3208.7029	Cont	46877.496
144	0	15689	24547	2410	2510	2558.5352	2565.6788	Cont	325796.53

145	0	15107	25236	2390	2490	2400.2744	2422.3668	Cont	2299764
146	0	15203	26521	2370	2470	2389.3726	2405.1124	Cont	1188807.5
147	0	15202	28261	2370	2470	2410.0379	2435.4760	Cont	2427143.5
148	0	16195	29695	2530	2630	2691.2792	2693.7656	Cont	979702.12
149	0	16990	29991	2810	2910	2836.1465	2940.4953	Cont	192655.17
150	0	16973	29319	2690	2790	2836.7315	2845.4734	Cont	300995.53
151	0	17455	28541	2850	2950	2978.1690	2994.3037	Cont	815578.87
152	0	16918	27954	2650	2750	2797.6683	2802.2981	Cont	59082.835
153	0	17268	27047	2850	2950	2997.4316	2983.3108	Cont	225309.32
154	0	16626	26660	2530	2630	2685.2540	2692.0585	Cont	239884.65
155	0	16413	26034	2510	2610	2659.7834	2669.1604	Cont	244550.18
156	0	16129	25301	2450	2550	2601.4485	2610.1641	Cont	227482.17
157	0	16178	27422	2813	2913	2763.3131	2777.9054	Cont	297364.31
158	0	16142	28824	2650	2750	2753.2448	2771.9228	Cont	656989
159	0	16945	28630	2670	2770	2818.0408	2823.5402	Cont	180601.48
160	0	16784	27278	2610	2710	2757.7157	2764.4386	Cont	42484
161	0	16268	28173	2650	2750	2780.1847	2788.6113	Cont	135271
162	0	16365	28022	2700	2800	2800.2880	2824.4874	Cont	145908.67
163	0	16687	27823	2710	2810	2808.8894	2821.9486	Cont	54975.668
164	0	16845	27559	2640	2740	2784.4684	2790.7248	Cont	58884.996
165	0	16982	26866	2710	2810	2848.2154	2871.0742	Cont	128026.33
166	0	17160	26335	2910	3010	3039.5968	3030.6617	Cont	145059.65
167	0	17140	26057	2950	3050	3073.0790	3056.9464	Cont	48657.496
168	0	18324	26577	3180	3280	3314.9465	3323.8821	Cont	976391
169	0	18324	25947	3250	3350	3375.0386	3386.1509	Cont	781773.62
170	0	15902	26560	2750	2850	2667.7115	2698.7520	Cont	448827
171	0	15752	26270	2670	2770	2622.9908	2649.1620	Cont	131233.32
172	0	15602	26030	2600	2700	2591.6754	2616.4125	Cont	379078
173	0	15626	25290	2500	2600	2567.2103	2586.1212	Cont	253546.84
174	0	15802	27740	2520	2620	2660.8317	2662.5311	Cont	644496
175	0	15206	22144	2350	2450	2447.1577	2491.5041	Cont	7203686
176	0	17449	26097	3170	3270	3198.6736	3157.2937	Cont	42979.664
177	0	17424	26197	3130	3230	3184.1183	3143.7439	Cont	100972
178	0	16800	26500	2660	2760	2791.6959	2824.6975	Cont	124351.33
179	0	16840	26030	2780	2880	2913.4737	2917.3626	Cont	127458.33
180	0	16560	25700	2670	2770	2803.2474	2807.6299	Cont	157229.51
181	0	17130	25560	2950	3050	3086.5681	3083.4595	Cont	450920.81
182	0	17500	25800	3070	3170	3211.8481	3189.3124	Cont	301410.65
183	0	17130	25890	2960	3060	3084.3502	3080.6644	Cont	108572.17
184	0	17760	26170	3190	3290	3270.5069	3242.9089	Cont	180520
185	0	17550	26640	3100	3200	3168.2831	3149.8529	Cont	358294.5
186	0	16908	33700	2630	2730	2781.8274	2786.2890	Cont	948964.81

187	0	17002	32189	2810	2910	2831.7362	2953.0689	Cont	975487.18
188	0	16927	30726	2884	2984	2834.0911	2959.5426	Cont	496899.68
189	0	17000	29991	2810	2910	2836.1491	2940.5055	Cont	570526.5
190	0	16983	29319	2690	2790	2836.7380	2845.5032	Cont	417653.65
191	0	16955	28630	2670	2770	2818.0519	2823.5532	Cont	88252.828
192	0	16928	27954	2650	2750	2797.7090	2802.3430	Cont	97702.328
193	0	16855	27559	2640	2740	2784.5868	2790.8432	Cont	59750.996
194	0	16794	27278	2610	2710	2757.9727	2764.7024	Cont	82037.507
195	0	16636	26660	2530	2630	2685.4565	2692.2590	Cont	70964.671
196	0	16423	26034	2510	2610	2659.9878	2669.3731	Cont	114405.16
197	0	16139	25301	2450	2550	2601.7067	2610.4381	Cont	572830.68
198	0	15699	24542	2410	2510	2558.6182	2565.7508	Cont	1117802.6
199	0	14963	23435	2364	2464	2452.1723	2500.7411	Cont	809781.12
200	0	12500	21846	2195	2295	2347.0535	2347.7324	Cont	1437697.7
201	0	17283	27480	2825	2925	2956.9248	2959.1140	Cont	204297.34
202	0	17150	28050	2730	2830	2873.5448	2879.0691	Cont	187505.17
203	0	16950	28300	2680	2780	2805.9882	2824.3063	Cont	70775.828
204	0	16940	28300	2680	2780	2805.9764	2824.2818	Cont	28068.334
205	0	16700	28150	2680	2780	2816.9123	2821.9695	Cont	171009.82
206	0	16500	27670	2710	2810	2800.9036	2831.7049	Cont	89622.492
207	0	16530	27330	2650	2750	2775.3435	2786.7483	Cont	116272
208	0	17758	25649	3084	3184	3275.0843	3266.8052	Cont	232642.84
209	[DELETED]								
210	[DELETED]								
211	0	22500	33700	1994	2194	2349.5066	2351.3983	Cont	1272267
212	0	24902	33700	2130	2330	2398.7283	2404.8282	Cont	1793873.7
213	0	26898	33700	2430	2630	2785.0147	2797.1888	Cont	897395.5
214	0	29487	33700	2700	2900	3034.4107	3035.6359	Cont	2478921.2
215	0	31800	33700	2600	2800	2965.4591	2965.7036	Cont	2084481.7
216	0	31800	30591	3120	3320	3420.9754	3421.3429	Cont	1796855.2
217	0	31800	27778	3130	3330	3469.7286	3470.2553	Cont	2428391.7
218	0	31800	25426	3090	3290	3445.9942	3446.5756	Cont	2560505.5
219	0	31800	22935	3090	3290	3427.3655	3427.5380	Cont	3572059
220	0	31800	20000	2770	2970	3126.5556	3126.6916	Cont	3062616.5
221	0	28511	20000	2630	2830	2982.7182	2984.2745	Cont	4570417
222	0	25652	20000	2210	2410	2438.7803	2486.1967	Cont	2147930.5
223	0	22500	20000	2000	2200	2352.9740	2355.3233	Cont	1958860.6
224	0	22500	21856	1995	2195	2353.1243	2355.8277	Cont	851191
225	0	22500	23928	1994.8	2194.8	2350.0524	2353.032	Cont	3048127.7
226	0	22500	26867	1994.6	2194.6	2349.3018	2351.5815	Cont	1786854.7
227	0	22500	30420	1994.4	2194.4	2350.6208	2352.7903	Cont	2731819
228	0	23567	31979	1994.5	2194.5	2361.7900	2364.3564	Cont	3153883.2

229	0	25605	32073	2370	2570	2704.8593	2712.4432	Cont	2479278.5
230	0	26992	32189	2610	2810	2828.3846	2940.9821	Cont	866017.75
231	0	28372	32305	2450	2650	2835.1357	2841.8094	Cont	2341256.2
232	0	30053	30641	2850	3050	3195.0547	3195.9929	Cont	4098020.7
233	0	30444	29751	2850	3050	3218.3321	3219.0931	Cont	2979780.7
234	0	29441	27370	3250	3450	3561.2014	3563.9014	Cont	3920933
235	0	29462	25661	3285	3485	3595.5291	3598.4533	Cont	4517192
236	0	28985	23075	3011	3211	3348.0268	3348.7324	Cont	7849879
237	0	27287	24068	2949	3149	3230.1584	3232.7075	Cont	3571829.7
238	0	24953	23445	2164	2364	2456.0623	2504.2261	Cont	1797036.7
239	0	23769	26486	1994.8	2194.8	2353.6995	2357.3988	Cont	3344869.5
240	0	23594	28985	2125	2325	2374.8921	2383.3253	Cont	3168726
241	0	25507	30465	2490	2690	2801.9787	2808.4563	Cont	3240518.2
242	0	26132	30751	2331	2531	2717.2410	2732.4312	Cont	921241.87
243	0	26917	30726	2684	2884	2831.6082	2948.5809	Cont	435496.37
244	0	28267	30992	2659	2859	3001.7786	3010.1312	Cont	1786093.3
245	0	28301	29819	2810	3010	3138.0544	3144.5410	Cont	1887000.3
246	0	28693	28740	3017	3217	3319.0372	3324.6461	Cont	1664478.8
247	0	27787	27697	2650	2850	2995.9082	3024.0932	Cont	1143354.3
248	0	27624	26097	3050	3250	3206.9146	3168.3193	Cont	46877.496
249	0	25689	24547	2210	2410	2556.3118	2575.5868	Cont	325796.53
250	0	25107	25236	2190	2390	2417.0804	2445.0199	Cont	2299764
251	0	25203	26521	2170	2370	2421.9034	2445.6970	Cont	1188807.5
252	0	25202	28261	2170	2370	2437.4241	2466.3871	Cont	2427143.5
253	0	26195	29695	2330	2530	2707.5903	2713.9814	Cont	979702.12
254	0	26990	29991	2610	2810	2832.8104	2928.7267	Cont	192655.17
255	0	26973	29319	2490	2690	2830.9947	2853.7036	Cont	300995.53
256	0	27455	28541	2650	2850	2944.3616	2985.2342	Cont	815578.87
257	0	26918	27954	2450	2650	2792.6535	2804.7180	Cont	59082.835
258	0	27268	27047	2650	2850	2985.7923	2958.7944	Cont	225309.32
259	0	26626	26660	2330	2530	2693.3826	2712.0289	Cont	239884.65
260	0	26413	26034	2310	2510	2660.0814	2684.4694	Cont	244550.18
261	0	26129	25301	2250	2450	2603.9762	2627.0704	Cont	227482.17
262	0	26178	27422	2613	2813	2743.0574	2747.7834	Cont	297364.31
263	0	26142	28824	2450	2650	2730.6327	2740.5109	Cont	656989
264	0	26945	28630	2470	2670	2814.0730	2828.6736	Cont	180601.48
265	0	26784	27278	2410	2610	2753.8758	2771.1995	Cont	42484
266	0	26268	28173	2450	2650	2756.5517	2767.7255	Cont	135271
267	0	26365	28022	2500	2700	2776.1594	2792.6717	Cont	145908.67
268	0	26687	27823	2510	2710	2786.2073	2801.7130	Cont	54975.668
269	0	26845	27559	2440	2640	2775.9435	2791.9305	Cont	58884.996
270	0	26982	26866	2510	2710	2832.6465	2879.7074	Cont	128026.33

271	0	27160	26335	2710	2910	3005.1156	3005.7276	Cont	145059.65
272	0	27140	26057	2750	2950	3032.2623	3024.4613	Cont	48657.496
273	0	28324	26577	2980	3180	3287.6924	3311.2965	Cont	976391
274	0	28324	25947	3050	3250	3333.3686	3360.6168	Cont	781773.62
275	0	25902	26560	2550	2750	2645.2610	2668.6203	Cont	448827
276	0	25752	26270	2470	2670	2602.4663	2621.5673	Cont	131233.32
277	0	25602	26030	2400	2600	2571.0885	2588.9882	Cont	379078
278	0	25626	25290	2300	2500	2549.9931	2564.4213	Cont	253546.84
279	0	25802	27740	2320	2520	2647.1377	2651.8792	Cont	644496
280	0	25206	22144	2150	2350	2450.0192	2498.2085	Cont	7203686
281	0	27449	26097	2970	3170	3154.4490	3121.2675	Cont	42979.664
282	0	27424	26197	2930	3130	3137.8996	3109.4499	Cont	100972
283	0	26800	26500	2460	2660	2772.2392	2840.0927	Cont	124351.33
284	0	26840	26030	2580	2780	2886.3592	2898.3230	Cont	127458.33
285	0	26560	25700	2470	2670	2781.2230	2793.8642	Cont	157229.51
286	0	27130	25560	2750	2950	3061.6580	3053.3407	Cont	450920.81
287	0	27500	25800	2870	3070	3191.1250	3141.6384	Cont	301410.65
288	0	27130	25890	2760	2960	3045.1423	3038.3153	Cont	108572.17
289	0	27760	26170	2990	3190	3237.6871	3198.1693	Cont	180520
290	0	27550	26640	2900	3100	3138.7417	3106.5351	Cont	358294.5
291	0	26908	33700	2430	2630	2785.0337	2797.2515	Cont	948964.81
292	0	27002	32189	2610	2810	2828.3936	2941.0124	Cont	975487.18
293	0	26927	30726	2684	2884	2831.6090	2948.5748	Cont	496899.68
294	0	27000	29991	2610	2810	2832.8127	2928.7319	Cont	570526.5
295	0	26983	29319	2490	2690	2831.0011	2853.7305	Cont	417653.65
296	0	26955	28630	2470	2670	2814.0832	2828.6893	Cont	88252.828
297	0	26928	27954	2450	2650	2792.7045	2804.7647	Cont	97702.328
298	0	26855	27559	2440	2640	2776.0566	2792.0358	Cont	59750.996
299	0	26794	27278	2410	2610	2754.0898	2771.4152	Cont	82037.507
300	0	26636	26660	2330	2530	2693.5822	2712.2165	Cont	70964.671
301	0	26423	26034	2310	2510	2660.2975	2684.6874	Cont	114405.16
302	0	26139	25301	2250	2450	2604.2447	2627.3633	Cont	572830.68
303	0	25699	24542	2210	2410	2556.3923	2575.6648	Cont	1117802.6
304	0	24963	23435	2164	2364	2456.0694	2504.2854	Cont	809781.12
305	0	22500	21846	1995	2195	2352.9327	2355.5517	Cont	1437697.7
306	0	27283	27480	2625	2825	2938.2203	2938.7455	Cont	204297.34
307	0	27150	28050	2530	2730	2862.4052	2877.3753	Cont	187505.17
308	0	26950	28300	2480	2680	2803.0178	2822.4514	Cont	70775.828
309	0	26940	28300	2480	2680	2803.0042	2822.4291	Cont	28068.334
310	0	26700	28150	2480	2680	2798.4056	2809.9316	Cont	171009.82
311	0	26500	27670	2510	2710	2777.7469	2793.7235	Cont	89622.492
312	0	26530	27330	2450	2650	2757.0387	2769.0444	Cont	116272

313	0	27758	25649	2884	3084	3244.4789	3227.3777	Cont	232642.84
314	[DELETED]								
315	[DELETED]								
316	0	2500	18700	1594	1994	2356.6349	2361.2904	Cont	1272267
317	0	4902	18700	1730	2130	2425.6805	2437.0739	Cont	1793873.7
318	0	6898	18700	2030	2430	2790.0821	2813.9826	Cont	897395.5
319	0	9487	18700	2300	2700	3021.2435	3023.9322	Cont	2478921.2
320	0	11800	18700	2200	2600	2979.6816	2980.2312	Cont	2084481.7
321	0	11800	15591	2720	3120	3376.6797	3377.5057	Cont	1796855.2
322	0	11800	12778	2730	3130	3459.0036	3460.1866	Cont	2428391.7
323	0	11800	10426	2690	3090	3449.6113	3450.9140	Cont	2560505.5
324	0	11800	7935	2690	3090	3414.7643	3415.1535	Cont	3572059
325	0	11800	5000	2370	2770	3132.8503	3133.1546	Cont	3062616.5
326	0	8511	5000	2230	2630	2985.2318	2988.4681	Cont	4570417
327	0	5652	5000	1810	2210	2447.0437	2506.3118	Cont	2147930.5
328	0	2500	5000	1600	2000	2356.5448	2361.9506	Cont	1958860.6
329	0	2500	6856	1595	1995	2363.2021	2369.0253	Cont	851191
330	0	2500	8928	1594.8	1994.8	2356.0961	2362.7979	Cont	3048127.7
331	0	2500	11867	1594.6	1994.6	2355.2825	2360.6913	Cont	1786854.7
332	0	2500	15420	1594.4	1994.4	2358.2191	2363.3722	Cont	2731819
333	0	3567	16979	1594.5	1994.5	2379.4741	2385.7841	Cont	3153883.2
334	0	5605	17073	1970	2370	2693.2358	2706.6253	Cont	2479278.5
335	0	6992	17189	2210	2610	2823.2936	2923.1124	Cont	866017.75
336	0	8372	17305	2050	2450	2864.8834	2877.5453	Cont	2341256.2
337	0	10053	15641	2450	2850	3189.9420	3192.0070	Cont	4098020.7
338	0	10444	14751	2450	2850	3232.0566	3233.7540	Cont	2979780.7
339	0	9441	12370	2850	3250	3522.2438	3528.1494	Cont	3920933
340	0	9462	10661	2885	3285	3555.7726	3562.0783	Cont	4517192
341	0	8985	8075	2611	3011	3333.6802	3335.2606	Cont	7849879
342	0	7287	9068	2549	2949	3164.0776	3171.0682	Cont	3571829.7
343	0	4953	8445	1764	2164	2462.6564	2510.7711	Cont	1797036.7
344	0	3769	11486	1594.8	1994.8	2364.4608	2372.8637	Cont	3344869.5
345	0	3594	13985	1725	2125	2387.5558	2398.7696	Cont	3168726
346	0	5507	15465	2090	2490	2772.6802	2782.4642	Cont	3240518.2
347	0	6132	15751	1931	2331	2739.2419	2763.6968	Cont	921241.87
348	0	6917	15726	2284	2684	2827.4486	2931.6299	Cont	435496.37
349	0	8267	15992	2259	2659	2995.6543	3011.2420	Cont	1786093.3
350	0	8301	14819	2410	2810	3116.3291	3129.1849	Cont	1887000.3
351	0	8693	13740	2617	3017	3275.0948	3287.0425	Cont	1664478.8
352	0	7787	12697	2250	2650	2986.4818	3038.1249	Cont	1143354.3
353	0	7624	11097	2650	3050	3154.5649	3112.1470	Cont	46877.496
354	0	5689	9547	1810	2210	2553.4117	2590.0134	Cont	325796.53

355	0	5107	10236	1790	2190	2441.3244	2475.5437	Cont	2299764
356	0	5203	11521	1770	2170	2464.2032	2493.7247	Cont	1188807.5
357	0	5202	13261	1770	2170	2476.8555	2507.5594	Cont	2427143.5
358	0	6195	14695	1930	2330	2722.7943	2734.9902	Cont	979702.12
359	0	6990	14991	2210	2610	2827.0207	2912.8621	Cont	192655.17
360	0	6973	14319	2090	2490	2822.0053	2862.4835	Cont	300995.53
361	0	7455	13541	2250	2650	2904.9528	2973.7733	Cont	815578.87
362	0	6918	12954	2050	2450	2782.1687	2805.2429	Cont	59082.835
363	0	7268	12047	2250	2650	2961.2843	2931.5734	Cont	225309.32
364	0	6626	11660	1930	2330	2702.8612	2737.5644	Cont	239884.65
365	0	6413	11034	1910	2310	2661.1571	2704.9145	Cont	244550.18
366	0	6129	10301	1850	2250	2606.7903	2649.3595	Cont	227482.17
367	0	6178	12422	2213	2613	2738.9460	2739.2636	Cont	297364.31
368	0	6142	13824	2050	2450	2705.1649	2711.5039	Cont	656989
369	0	6945	13630	2070	2470	2806.2917	2834.0273	Cont	180601.48
370	0	6784	12278	2010	2410	2746.8938	2776.6259	Cont	42484
371	0	6268	13173	2050	2450	2732.5002	2745.8902	Cont	135271
372	0	6365	13022	2100	2500	2759.9495	2775.2813	Cont	145908.67
373	0	6687	12823	2110	2510	2767.5757	2788.5198	Cont	54975.668
374	0	6845	12559	2040	2440	2763.6826	2791.5365	Cont	58884.996
375	0	6982	11866	2110	2510	2817.1428	2877.3529	Cont	128026.33
376	0	7160	11335	2310	2710	2960.2537	2972.7573	Cont	145059.65
377	0	7140	11057	2350	2750	2982.3037	2982.1168	Cont	48657.496
378	0	8324	11577	2580	2980	3245.6646	3287.9299	Cont	976391
379	0	8324	10947	2650	3050	3275.9412	3320.0871	Cont	781773.62
380	0	5902	11560	2150	2550	2621.2829	2640.4645	Cont	448827
381	0	5752	11270	2070	2470	2582.9706	2599.7995	Cont	131233.32
382	0	5602	11030	2000	2400	2552.5722	2568.4693	Cont	379078
383	0	5626	10290	1900	2300	2538.0459	2555.0756	Cont	253546.84
384	0	5802	12740	1920	2320	2632.5171	2643.3784	Cont	644496
385	0	5206	7144	1750	2150	2454.6184	2508.4020	Cont	7203686
386	0	7449	11097	2570	2970	3098.7929	3069.0719	Cont	42979.664
387	0	7424	11197	2530	2930	3080.9439	3059.6587	Cont	100972
388	0	6800	11500	2060	2460	2760.0947	2846.5324	Cont	124351.33
389	0	6840	11030	2180	2580	2852.6227	2876.3224	Cont	127458.33
390	0	6560	10700	2070	2470	2759.5141	2785.0171	Cont	157229.51
391	0	7130	10560	2350	2750	3020.8576	3008.9545	Cont	450920.81
392	0	7500	10800	2470	2870	3148.8703	3082.4035	Cont	301410.65
393	0	7130	10890	2360	2760	2995.6528	2989.8034	Cont	108572.17
394	0	7760	11170	2590	2990	3187.9768	3141.1719	Cont	180520
395	0	7550	11640	2500	2900	3096.5820	3054.8578	Cont	358294.5
396	0	6908	18700	2030	2430	2790.0968	2814.0306	Cont	948964.81

397	0	7002	17189	2210	2610	2823.3004	2923.1356	Cont	975487.18
398	0	6927	15726	2284	2684	2827.4483	2931.6234	Cont	496899.68
399	0	7000	14991	2210	2610	2827.0223	2912.8631	Cont	570526.5
400	0	6983	14319	2090	2490	2822.0118	2862.5065	Cont	417653.65
401	0	6955	13630	2070	2470	2806.3016	2834.0460	Cont	88252.828
402	0	6928	12954	2050	2450	2782.2286	2805.2943	Cont	97702.328
403	0	6855	12559	2040	2440	2763.7868	2791.6323	Cont	59750.996
404	0	6794	12278	2010	2410	2747.0526	2776.7785	Cont	82037.507
405	0	6636	11660	1930	2330	2703.0485	2737.7256	Cont	70964.671
406	0	6423	11034	1910	2310	2661.3873	2705.1372	Cont	114405.16
407	0	6139	10301	1850	2250	2607.0731	2649.6718	Cont	572830.68
408	0	5699	9542	1810	2210	2553.4880	2590.0970	Cont	1117802.6
409	0	4963	8435	1764	2164	2462.6672	2510.8208	Cont	809781.12
410	0	2500	6846	1595	1995	2363.0170	2368.7618	Cont	1437697.7
411	0	7283	12480	2225	2625	2916.7887	2920.8410	Cont	204297.34
412	0	7150	13050	2130	2530	2846.5037	2874.8546	Cont	187505.17
413	0	6950	13300	2080	2480	2794.6337	2820.5677	Cont	70775.828
414	0	6940	13300	2080	2480	2794.6153	2820.5413	Cont	28068.334
415	0	6700	13150	2080	2480	2780.0134	2801.4868	Cont	171009.82
416	0	6500	12670	2110	2510	2755.172	2771.7037	Cont	89622.492
417	0	6530	12330	2050	2450	2741.6505	2760.5324	Cont	116272
418	0	7758	10649	2484	2884	3194.2462	3174.2823	Cont	232642.84
419	[DELETED]								
420	[DELETED]								
421	0	12500	18700	594	1594	2382.6025	2390.3988	Cont	1272267
422	0	14902	18700	730	1730	2485.0169	2501.3790	Cont	1793873.7
423	0	16898	18700	1030	2030	2798.4726	2840.4979	Cont	897395.5
424	0	19487	18700	1300	2300	3002.0472	3009.0201	Cont	2478921.2
425	0	21800	18700	1200	2200	3005.8544	3007.4611	Cont	2084481.7
426	0	21800	15591	1720	2720	3298.214	3300.6274	Cont	1796855.2
427	0	21800	12778	1730	2730	3431.6926	3435.1342	Cont	2428391.7
428	0	21800	10426	1690	2690	3445.6459	3449.3839	Cont	2560505.5
429	0	21800	7935	1690	2690	3386.1670	3387.3331	Cont	3572059
430	0	21800	5000	1370	2370	3145.5194	3146.3940	Cont	3062616.5
431	0	18511	5000	1230	2230	2989.6993	2997.2105	Cont	4570417
432	0	15652	5000	810	1810	2473.0901	2548.0485	Cont	2147930.5
433	0	12500	5000	600	1600	2368.0598	2379.5324	Cont	1958860.6
434	0	12500	6856	595	1595	2380.4527	2392.0229	Cont	851191
435	0	12500	8928	594.8	1594.8	2374.1310	2386.6325	Cont	3048127.7
436	0	12500	11867	594.6	1594.6	2377.7498	2387.1977	Cont	1786854.7
437	0	12500	15420	594.4	1594.4	2383.7288	2392.1071	Cont	2731819
438	0	13567	16979	594.5	1594.5	2419.5056	2429.3748	Cont	3153883.2

439	0	15605	17073	970	1970	2680.9961	2701.3942	Cont	2479278.5
440	0	16992	17189	1210	2210	2817.1221	2901.0296	Cont	866017.75
441	0	18372	17305	1050	2050	2908.7206	2932.0209	Cont	2341256.2
442	0	20053	15641	1450	2450	3177.0764	3182.5229	Cont	4098020.7
443	0	20444	14751	1450	2450	3242.6329	3247.3678	Cont	2979780.7
444	0	19441	12370	1850	2850	3434.3806	3449.4785	Cont	3920933
445	0	19462	10661	1885	2885	3465.5537	3481.1139	Cont	4517192
446	0	18985	8075	1611	2611	3294.6553	3299.3436	Cont	7849879
447	0	17287	9068	1549	2549	3028.0070	3054.5673	Cont	3571829.7
448	0	14953	8445	764	1764	2473.6680	2522.4913	Cont	1797036.7
449	0	13769	11486	594.8	1594.8	2398.3674	2410.9594	Cont	3344869.5
450	0	13594	13985	725	1725	2421.5374	2433.8279	Cont	3168726
451	0	15507	15465	1090	2090	2732.6298	2747.8380	Cont	3240518.2
452	0	16132	15751	931	1931	2738.2882	2778.5390	Cont	921241.87
453	0	16917	15726	1284	2284	2821.1202	2908.7992	Cont	435496.37
454	0	18267	15992	1259	2259	2985.1974	3012.7887	Cont	1786093.3
455	0	18301	14819	1410	2410	3070.8970	3096.8050	Cont	1887000.3
456	0	18693	13740	1617	2617	3194.5773	3221.1009	Cont	1664478.8
457	0	17787	12697	1250	2250	2956.1494	3037.4617	Cont	1143354.3
458	0	17624	11097	1650	2650	3032.0145	3027.0369	Cont	46877.496
459	0	15689	9547	810	1810	2550.2425	2605.6597	Cont	325796.53
460	0	15107	10236	790	1790	2498.7374	2526.4285	Cont	2299764
461	0	15203	11521	770	1770	2530.8406	2551.1877	Cont	1188807.5
462	0	15202	13261	770	1770	2554.2921	2569.4241	Cont	2427143.5
463	0	16195	14695	930	1930	2712.5465	2748.7611	Cont	979702.12
464	0	16990	14991	1210	2210	2817.8706	2893.8514	Cont	192655.17
465	0	16973	14319	1090	2090	2809.5202	2866.1475	Cont	300995.53
466	0	17455	13541	1250	2250	2870.4228	2956.5365	Cont	815578.87
467	0	16918	12954	1050	2050	2770.8105	2812.2914	Cont	59082.835
468	0	17268	12047	1250	2250	2887.3629	2900.1233	Cont	225309.32
469	0	16626	11660	930	1930	2702.3649	2753.6489	Cont	239884.65
470	0	16413	11034	910	1910	2661.4719	2719.7296	Cont	244550.18
471	0	16129	10301	850	1850	2608.2027	2668.1020	Cont	227482.17
472	0	16178	12422	1213	2213	2632.8921	2680.4544	Cont	297364.31
473	0	16142	13824	1050	2050	2662.4697	2702.1175	Cont	656989
474	0	16945	13630	1070	2070	2793.8598	2838.9646	Cont	180601.48
475	0	16784	12278	1010	2010	2738.9398	2786.0302	Cont	42484
476	0	16268	13173	1050	2050	2674.3445	2717.6521	Cont	135271
477	0	16365	13022	1100	2100	2679.6097	2731.1037	Cont	145908.67
478	0	16687	12823	1110	2110	2731.6454	2781.8511	Cont	54975.668
479	0	16845	12559	1040	2040	2753.3529	2798.2549	Cont	58884.996
480	0	16982	11866	1110	2110	2808.4614	2858.7338	Cont	128026.33

481	0	17160	11335	1310	2310	2893.3402	2919.0744	Cont	145059.65
482	0	17140	11057	1350	2350	2902.0628	2920.3306	Cont	48657.496
483	0	18324	11577	1580	2580	3152.9104	3224.0155	Cont	976391
484	0	18324	10947	1650	2650	3164.6834	3233.8539	Cont	781773.62
485	0	15902	11560	1150	2150	2585.2247	2628.1006	Cont	448827
486	0	15752	11270	1070	2070	2562.6349	2603.2591	Cont	131233.32
487	0	15602	11030	1000	2000	2542.7882	2580.0149	Cont	379078
488	0	15626	10290	900	1900	2529.8564	2577.3730	Cont	253546.84
489	0	15802	12740	920	1920	2604.0645	2636.6526	Cont	644496
490	0	15206	7144	750	1750	2468.8103	2529.792	Cont	7203686
491	0	17449	11097	1570	2570	2988.7841	2989.3401	Cont	42979.664
492	0	17424	11197	1530	2530	2978.1494	2983.0545	Cont	100972
493	0	16800	11500	1060	2060	2765.4932	2831.9147	Cont	124351.33
494	0	16840	11030	1180	2180	2806.0051	2842.7665	Cont	127458.33
495	0	16560	10700	1070	2070	2729.0911	2772.3823	Cont	157229.51
496	0	17130	10560	1350	2350	2925.7805	2934.6533	Cont	450920.81
497	0	17500	10800	1470	2470	3013.4495	2996.2465	Cont	301410.65
498	0	17130	10890	1360	2360	2908.6845	2922.7209	Cont	108572.17
499	0	17760	11170	1590	2590	3060.2926	3055.1773	Cont	180520
500	0	17550	11640	1500	2500	2990.2953	2987.8255	Cont	358294.5
501	0	16908	18700	1030	2030	2798.4808	2840.5245	Cont	948964.81
502	0	17002	17189	1210	2210	2817.1256	2901.0418	Cont	975487.18
503	0	16927	15726	1284	2284	2821.1181	2908.7921	Cont	496899.68
504	0	17000	14991	1210	2210	2817.8701	2893.8477	Cont	570526.5
505	0	16983	14319	1090	2090	2809.5267	2866.1626	Cont	417653.65
506	0	16955	13630	1070	2070	2793.8681	2838.9794	Cont	88252.828
507	0	16928	12954	1050	2050	2770.8642	2812.3389	Cont	97702.328
508	0	16855	12559	1040	2040	2753.4438	2798.3325	Cont	59750.996
509	0	16794	12278	1010	2010	2739.0712	2786.1480	Cont	82037.507
510	0	16636	11660	930	1930	2702.5368	2753.7974	Cont	70964.671
511	0	16423	11034	910	1910	2661.6964	2719.9374	Cont	114405.16
512	0	16139	10301	850	1850	2608.4964	2668.4092	Cont	572830.68
513	0	15699	9542	810	1810	2550.3103	2605.7371	Cont	1117802.6
514	0	14963	8435	764	1764	2473.6834	2522.5293	Cont	809781.12
515	0	12500	6846	595	1595	2380.2790	2391.7801	Cont	1437697.7
516	0	17283	12480	1225	2225	2869.7907	2905.1746	Cont	204297.34
517	0	17150	13050	1130	2130	2822.7116	2873.4939	Cont	187505.17
518	0	16950	13300	1080	2080	2783.5933	2826.2130	Cont	70775.828
519	0	16940	13300	1080	2080	2783.5787	2826.1951	Cont	28068.334
520	0	16700	13150	1080	2080	2742.8495	2786.0305	Cont	171009.82
521	0	16500	12670	1110	2110	2698.3394	2745.9295	Cont	89622.492
522	0	16530	12330	1050	2050	2697.0677	2743.5787	Cont	116272

523	0	17758	10649	1484	2484	3067.0419	3084.5699	Cont	232642.84
524	0	5506	24899	0	0	0	0	Cont	0 1-2533
525	0	6447	26303	0	0	0	0	Cont	0 2-2642
526	0	7069	13079	0	0	0	0	Cont	0 3-2842
527	0	26439	26298	0	0	0	0	Cont	0 4-2643
528	0	5152	24460	0	0	0	0	Cont	0 5-2508
529	0	24908	24383	0	0	0	0	Cont	0 6-2483
530	0	4916	24385	0	0	0	0	Cont	0 7-2465
531	0	4845	23673	0	0	0	0	Cont	0 8-2460
532	0	7283	12480	0	0	0	0	Cont	0 10-2927
533	0	7288	27462	0	0	0	0	Cont	0 10T-2957
534	0	7729	10665	0	0	0	0	Cont	0 11-3234
535	0	7758	25649	0	0	0	0	Cont	0 11T-3215
536	0	6749	13388	0	0	0	0	Cont	0 13-2692
537	0	6281	12874	0	0	0	0	Cont	0 14-2138
538	0	5965	25190	0	0	0	0	Cont	0 WCS-2590

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Node flow data

Node #	Initial Inflow [L^3/T]	Infilt Inflow [L^3/T]	Storage Inflow [L^3/T]	Stream Inflow [L^3/T]	Inflow from mesh [L^3/T]	Outflow to mesh [L^3/T]	Outflow to link [L^3/T]	Label
1	0	159033.37	0	944032.43	124726.37	0	1239770.1	
2	0	224234.20	0	0	6599.6946	304432.55	0.0022506	
3	0	112174.43	0	0	4041.1632	29511.518	146948.63	
4	0	309865.14	0	0	0	4337.9330	260749.13	
5	0	260560.20	0	0	2807.7688	0	303254.78	
6	0	224606.89	0	0	0	8180.5638	109150.59	
7	0	303548.97	0	0	403.05252	1727.9266	274199.17	
8	0	320063.18	0	0	2725.7745	0	344755.95	
9	0	446507.35	0	0	0	2920.4341	390352.44	
10	0	382827.08	0	0	1947.5288	470.44501	408974.77	
11	0	571302.12	0	0	3840.1159	2531.3814	596009.63	
12	0	268491.33	0	0	3372.7367	325587.79	0.0697331	
13	0	244857.58	0	0	880571.94	232739.41	906368.83	
14	0	106398.87	0	0	547704.02	0	691490.24	
15	0	381015.95	0	0	2211830.8	340.92907	2625990.6	
16	0	223356.85	0	2829621.3	435148.16	0	3504206.3	

17	0	341477.39	0	0	495816.77	0	867173.99
18	0	394235.41	0	276162.78	196238.09	8918.4629	944032.44
19	0	309909.81	0	0	2626.9555	9619.8729	276162.79
20	0	108252.22	0	0	8064.4729	27943.484	0.0374640
21	0	292657.02	0	717063.17	10678.587	0	1142136.0
22	0	512252.58	0	0	3149.0550	4303.1912	491407.55
23	0	372472.58	0	0	7754.0158	6.1876489	452670.15
24	0	490116.64	0	0	440.30489	9748.4936	311475.91
25	0	564649.04	0	0	0	10638.790	356760.84
26	0	981234.89	0	0	3925.7351	7097.7292	866357.10
27	0	446478.70	0	0	1169.6587	28767.676	29110.474
28	0	224629.56	0	75290.147	2916389.6	3324070.0	4.8340876
29	0	418108.70	0	0	2360324.9	4031.5208	2829621.4
30	0	396090.77	0	0	512195.16	965958.72	0.0392794
31	0	405064.77	0	0	0	26198.820	216850.92
32	0	115155.22	0	216850.92	13253.278	0	428342.30
33	0	54437.041	0	0	3380.9422	8519.3923	22.634424
34	0	223261.66	0	0	2659.8530	2620.6162	225655.63
35	0	235875.04	0	452670.15	3254.6782	5016.8997	652003.96
36	0	208059.85	0	0	1090.7430	8169.2179	114027.42
37	0	142919.29	0	311475.91	7344.5523	1212.3279	497883.67
38	0	5859.6875	0	0	3986.9708	3241.5633	0.0008701
39	0	40724.562	0	0	540.25897	30957.189	75290.164
40	0	287470.47	0	0	1029567.0	1441661.0	-0.023712
41	0	148600.93	0	0	19299.547	312686.50	0.0153608
42	0	303392.93	0	751264.74	20916.304	1272960.2	0.0776533
43	0	122462.77	0	490029.16	11315.002	0	693372.08
44	0	24081.895	0	0	20891.751	7191.4433	11.729138
45	0	37624.437	0	0	243.67744	6544.9269	61686.898
46	0	101947.35	0	114027.42	3087.0464	4967.4714	198608.44
47	0	7385.3541	0	16123.674	1705.7894	7488.3515	24183.004
48	52816.5	28163.666	0	459635.42	6471.3584	10326.053	514372.57
49	0	29985.583	0	0	1269.1988	65613.587	25268.178
50	0	30568.770	0	0	422.24052	76692.334	4245.3163
51	0	28435.270	0	0	439.74107	92450.102	0.0057753
52	0	37170.541	0	0	824.08200	6825.9617	0.0054830
53	0	82123.625	0	0	830.44939	13722.486	0.0150413
54	0	22575.187	0	0	756.21557	1306.2409	34742.779
55	0	5310.5	0	8270.1259	880.31291	30567.679	0.0057030
56	0	16908.875	0	0	1846.1856	1566.7004	12053.184
57	0	18238.583	0	0	418.01285	3120.0136	0.0029119
58	0	6871.9583	0	0	180.68603	2105.5383	0.0008581

59	0	7360.625	0	799.29749	3996.8701	14030.786	0.0052656
60	0	16003.291	0	0	6789.1302	2980.8864	27599.741
61	0	18132.458	0	0	5533.7848	8119.6140	0.0023327
62	0	6082.1875	0	0	2435.5349	2483.7889	0.0004932
63	0	122048.87	0	356760.84	3318.7154	2581.5748	459635.42
64	0	97721.708	0	0	2874.5988	6049.2925	58457.525
65	0	56103.375	0	0	1269.2903	9237.6432	0.0088850
66	0	16404.166	0	0	608.94664	3555.5854	0.0021695
67	0	47384.75	0	0	961.75886	9161.1059	0.0059009
68	0	31693.354	0	0	87.631524	7273.0438	0.0035319
69	0	80562	0	12053.190	7721.6921	12304.591	57892.753
70	0	900460.81	0	866357.10	8694.7804	1877467.2	0.2335600
71	0	5372.4583	0	0	1656.5457	1558.4461	0.0006447
72	0	12621.5	0	0	4691.6613	4809.7990	0.0014301
73	0	15543.916	0	0.0023327	7534.7547	3835.4049	29583.189
74	0	15932.291	0	63209.790	5371.9251	7032.3316	66743.403
75	0	19653.687	0	0	3816.1779	8204.5341	2299.0345
76	0	56365.104	0	0	9056.6305	10282.120	5416.7015
77	0	37676.333	0	93510.505	652.99677	10537.380	75119.347
78	0	13571.520	0	75119.347	1723.5574	5971.1338	63209.794
79	0	22565	0	0	1001.4825	4313.6795	0.0011340
80	0	44786.812	0	0	1832.4172	7424.9340	0.0030771
81	0	118620.60	0	1179678.2	32219.506	0	1371476.4
82	0	121935.91	0	0	20671.638	13621.208	37542.213
83	0	62112.458	0	0	2215.0855	3831.4285	-19.70322
84	0	71315.812	0	0	1841.3012	24974.835	-10.19248
85	0	52206.708	0	652003.96	15918.950	246.33493	752344.85
86	0	11031.604	0	950953.29	5406.5287	0	981889.41
87	0	12212.791	0	1549317.8	13030.216	2522.6945	1578707.9
88	0	7468.875	0	1602890.9	14009.990	3750.7283	1622951.8
89	0	10254.687	0	2137324.4	34507.461	0	2196454.1
90	0	8870.5833	0	2253637.0	75568.198	0	2391574.2
91	0	14300.645	0	2485884.8	85933.192	0	2633694.9
92	0	71603.833	0	2643356.9	108517.07	0	2914692.5
93	0	139725.31	0	2943803.0	40555.056	870.67800	3206860.7
94	0	101222.64	0	3206860.7	2626.4936	3284609.5	-3.752219
95	0	179712.20	0	0.2335600	1926921.1	247550.92	1937726
96	0	25537.166	0	0	1187.2175	3952.4995	11953.663
97	0	23438.145	0	0	2060.8612	2068.8801	22848.354
98	0	8846.9791	0	0	1160.2915	5498.4433	0.9946775
99	0	3508.5416	0	0	3214.9563	2452.7501	-0.868217
100	0	21376.229	0	0	115.19191	790.11841	16123.676

101	0	11202.812	0	0	0	1950.6157	799.29779
102	0	14534	0	0	539.80669	1667.7078	8270.1272
103	0	29080.354	0	0	6315.9444	343.31936	35052.979
104	[DELETED]						
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107	0	0	0	0	9416.3177	431.15318	0.0009826
108	0	0	0	0	10155.934	3068.6481	1.1486738
109	0	0	0	0	0	7821.3971	0.0016847
110	0	0	0	0	5273.5670	0	0.0003058
111	0	0	0	0	0	15197.396	0.0003669
112	0	0	0	0	773.19665	3371.0422	0.0002672
113	0	0	0	0	4888.7033	0	0.0001537
114	0	0	0	0	0	5660.2365	0.0001008
115	0	0	0	0	3812.1538	962.61264	4.8170e-5
116	0	0	0	0	7559.6860	5022.3859	0.0007443
117	0	0	0	0	6654.7469	468.72584	-0.014335
118	0	0	0	0	1126.2753	265.87412	0.0029777
119	0	0	0	0	5064.5881	0	1.8934513
120	0	0	0	0	2829.5309	0	0.0037644
121	0	0	0	0	650.09835	0	0.0006072
122	0	0	0	0	1645.1499	0	0.0007552
123	0	0	0	0	10876.638	143.09903	0.0012980
124	0	0	0	0	5364.3153	10901.437	0.0065221
125	0	0	0	0	27621.922	39329.408	3.7329018
126	0	0	0	0	19461.584	0	0.0059888
127	0	0	0	0	6076.5614	8244.8383	0.0023900
128	0	0	0	0	14083.396	231.09147	0.0009670
129	0	0	0	0	855.99411	18954.867	0.0015151
130	0	0	0	0	0	20727.125	0.0010311
131	0	0	0	0	6949.1354	14009.848	0.0011251
132	0	0	0	0	2881.0547	53597.035	0.0052751
133	0	0	0	0	121332.85	58667.279	9.3291475
134	0	0	0	0	3442.7224	47.042041	0.0021004
135	0	0	0	0	6972.6789	1282.3116	-0.003987
136	0	0	0	0	0	31677.959	0.0102626
137	0	0	0	0	22012.740	0	0.0118129
138	0	0	0	0	8212.9175	13835.233	44.571623
139	0	0	0	0	5121.3692	4956.9203	0.0097882
140	0	0	0	0	6244.6314	9794.7	0.0081183
141	0	0	0	0	2454.8306	15390.642	0.0025966
142	0	0	0	0	13474.314	3351.7980	0.0030467

143	0	0	0	0	5941.7355	6236.5500	0.0004673
144	0	0	0	0	20069.989	11775.645	0.8606626
145	0	0	0	0	24000.682	1827.3152	-0.013516
146	0	0	0	0	33739.461	912.33094	-0.002795
147	0	0	0	0	36183.714	1716.0365	-0.021441
148	0	0	0	0	18484.726	0	0.0098578
149	0	0	0	0	14564.546	21415.563	23.148444
150	0	0	0	0	11259.274	3721.4180	2.6154575
151	0	0	0	0	6248.8522	9406.7140	0.0048910
152	0	0	0	0	5866.8685	2808.7568	0.7607598
153	0	0	0	0	11770.700	17714.789	0.0019748
154	0	0	0	0	32801.881	22548.568	0.8645412
155	0	0	0	0	37204.301	28992.557	0.8470086
156	0	0	0	0	14698.304	3739.8721	0.8613438
157	0	0	0	0	1709.8083	12118.240	-0.000957
158	0	0	0	0	2286.5663	23018.297	-0.005073
159	0	0	0	0	3943.7376	445.04583	1.2960048
160	0	0	0	0	15629.665	11368.227	0.6820158
161	0	0	0	0	2858.0790	3284.5221	0.0012002
162	0	0	0	0	638.35137	5139.5994	-0.000277
163	0	0	0	0	170.58342	2308.9401	-5.605e-5
164	0	0	0	0	16105.729	15655.631	0.5584448
165	0	0	0	0	10695.537	5943.0875	0.0010437
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167	0	0	0	0	4345.8539	5110.9797	3.3172e-5
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169	0	0	0	0	5879.5223	8699.1780	0.0008875
170	0	0	0	0	2694.7703	16258.513	-0.003037
171	0	0	0	0	1344.3822	5958.7963	-0.000772
172	0	0	0	0	2346.1269	15713.920	-0.002453
173	0	0	0	0	977.49085	11647.753	-0.001398
174	0	0	0	0	13966.256	22613.561	0.0039903
175	0	0	0	0	17017.340	5354.0440	-0.071548
176	0	0	0	0	2783.1788	3092.4196	2.0101e-5
177	0	0	0	0	8457.4408	9418.3703	-0.000846
178	0	0	0	0	12769.416	7844.8738	0.0009562
179	0	0	0	0	10012.586	12661.671	0.0009590
180	0	0	0	0	8459.6260	14211.345	0.0013903
181	0	0	0	0	16034.92	20487.241	0.0021644
182	0	0	0	0	7485.0937	17794.852	0.0008754
183	0	0	0	0	3823.6351	9730.7037	0.0004246
184	0	0	0	0	2410.8074	6828.5750	-0.000686

185	0	0	0	0	4314.2616	13349.432	-0.001169
186	0	0	0	0	5259.7888	0	-1.000210
187	0	0	0	0	25614.911	37529.268	-3.281798
188	0	0	0	0	2302.8450	9272.9192	-40.41841
189	0	0	0	0	5308.4130	14375.543	-20.99625
190	0	0	0	0	16095.355	7901.1356	-2.300375
191	0	0	0	0	6115.8760	2097.2509	-1.140074
192	0	0	0	0	8784.9349	5562.4973	-0.666191
193	0	0	0	0	16725.237	16042.751	-0.489566
194	0	0	0	0	14388.971	10276.903	-0.601579
195	0	0	0	0	42531.660	32581.030	-0.764989
196	0	0	0	0	44050.685	35341.324	-0.746771
197	0	0	0	0	30058.797	12796.083	-0.756172
198	0	0	0	0	33088.063	21541.316	-0.758134
199	0	0	0	0	54854.157	115881.63	-8.582567
200	0	0	0	0	6037.0624	2506.0632	-1.628409
201	0	0	0	0	2813.4839	6696.3482	0.0008574
202	0	0	0	0	4028.9658	4081.3830	0.0014221
203	0	0	0	0	2427.0248	4645.8416	2.0913605
204	0	0	0	0	3981.4662	6069.6848	-1.891332
205	0	0	0	0	155.93910	1302.5640	0.0012890
206	0	0	0	0	0	2779.5840	0.0005710
207	0	0	0	0	796.01312	2501.1898	0.0006922
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213	0	0	0	0	18647.267	6165.4938	6.7465228
214	0	0	0	0	221.65310	13001.327	0.0014773
215	0	0	0	0	9377.8884	0	0.0002461
216	0	0	0	0	0	26437.418	0.0003236
217	0	0	0	0	1420.1637	6471.5895	0.0002337
218	0	0	0	0	7821.2753	0	0.0001324
219	0	0	0	0	69.578509	10778.667	8.6261e-5
220	0	0	0	0	7329.4760	2003.3645	4.0811e-5
221	0	0	0	0	14693.790	9804.4177	0.0005926
222	0	0	0	0	12795.140	1262.1940	-0.002730
223	0	0	0	0	2384.2871	384.28288	0.0030070
224	0	0	0	0	5037.5624	0	14.807317
225	0	0	0	0	5848.6309	0	0.0035547
226	0	0	0	0	1865.1018	0	0.0006160

227	0	0	0	0	4144.7996	0	0.0007592
228	0	0	0	0	20203.618	939.71336	0.0013002
229	0	0	0	0	11310.705	19718.162	0.0059352
230	0	0	0	0	48954.668	68760.480	21.220824
231	0	0	0	0	32553.301	0	0.0053235
232	0	0	0	0	11894.247	15804.896	0.0020376
233	0	0	0	0	23373.973	1181.8775	0.0008003
234	0	0	0	0	1623.9635	36039.756	0.0013263
235	0	0	0	0	0	39594.761	0.0008867
236	0	0	0	0	11156.350	27674.832	0.0009532
237	0	0	0	0	7117.4957	97940.970	0.0045848
238	0	0	0	0	210964.92	206939.63	21.533346
239	0	0	0	0	9160.3894	443.54247	0.0020287
240	0	0	0	0	14140.591	2940.3875	8.2508e-5
241	0	0	0	0	0	47850.853	0.0096500
242	0	0	0	0	29880.726	0	0.0089926
243	0	0	0	0	16037.088	25852.357	90.478067
244	0	0	0	0	9533.7760	8996.6788	0.0077227
245	0	0	0	0	11630.374	18711.814	0.0064409
246	0	0	0	0	5792.2590	27651.723	0.0020955
247	0	0	0	0	23091.880	9227.4682	0.0027995
248	0	0	0	0	9436.8538	11358.437	0.0014842
249	0	0	0	0	39319.849	23896.770	4.9523142
250	0	0	0	0	37225.708	3798.8164	-0.000752
251	0	0	0	0	49796.032	4083.0367	0.0016829
252	0	0	0	0	58489.090	4070.7024	-0.002121
253	0	0	0	0	25709.834	1171.4210	0.0079660
254	0	0	0	0	26326.629	36350.495	47.619601
255	0	0	0	0	19036.231	8370.1644	14.265105
256	0	0	0	0	12636.497	17175.105	0.0045353
257	0	0	0	0	10673.579	7678.3924	4.1916735
258	0	0	0	0	20575.580	27890.659	0.0026093
259	0	0	0	0	39049.322	23901.034	5.1040899
260	0	0	0	0	62485.104	48613.238	4.9971141
261	0	0	0	0	31841.856	13904.289	5.0607914
262	0	0	0	0	3541.8974	20396.556	0.0021902
263	0	0	0	0	6859.5485	32966.088	-0.001730
264	0	0	0	0	8567.8779	4263.6729	7.2799047
265	0	0	0	0	25802.446	19054.534	4.0023192
266	0	0	0	0	4309.5046	6556.8233	0.0013162
267	0	0	0	0	1198.6672	7794.7218	0.0015724
268	0	0	0	0	0	1245.7551	0.0001359

269	0	0	0	0	23042.798	21350.072	3.2604771
270	0	0	0	0	14632.775	11183.049	0.0010325
271	0	0	0	0	18982.721	23068.101	0.0008662
272	0	0	0	0	7719.7025	9554.5428	0.0005206
273	0	0	0	0	11050.982	12519.271	0.0010142
274	0	0	0	0	12273.146	19138.772	0.0007834
275	0	0	0	0	6859.6929	25278.826	-0.001072
276	0	0	0	0	2918.2026	8273.4299	-0.000361
277	0	0	0	0	6001.4010	22160.645	-0.001499
278	0	0	0	0	5144.0437	16001.945	-0.001040
279	0	0	0	0	23865.042	36781.325	0.0012823
280	0	0	0	0	32565.073	10913.790	-0.011672
281	0	0	0	0	4966.4370	6388.8370	0.0004099
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283	0	0	0	0	19531.237	15248.480	0.0009401
284	0	0	0	0	17752.261	21167.846	0.0009433
285	0	0	0	0	17741.668	22637.868	0.0018775
286	0	0	0	0	26980.150	38892.909	0.0020115
287	0	0	0	0	16446.927	30034.006	0.0003829
288	0	0	0	0	8074.6200	14622.639	-0.000382
289	0	0	0	0	5850.7831	11236.054	-0.000740
290	0	0	0	0	10524.379	22693.878	-0.000953
291	0	0	0	0	8372.4279	0	-6.044970
292	0	0	0	0	44157.760	64746.065	-19.05604
293	0	0	0	0	6182.0308	18439.294	-81.62550
294	0	0	0	0	12089.292	24897.209	-42.95987
295	0	0	0	0	24314.138	13003.652	-12.81281
296	0	0	0	0	11794.253	6786.7954	-6.534975
297	0	0	0	0	16555.524	13489.514	-3.752762
298	0	0	0	0	25571.743	23645.828	-2.914386
299	0	0	0	0	24634.801	18480.149	-3.595253
300	0	0	0	0	56866.647	41154.530	-4.600585
301	0	0	0	0	71429.184	58517.148	-4.487644
302	0	0	0	0	52089.884	26879.506	-4.540522
303	0	0	0	0	63071.866	43455.927	-4.469382
304	0	0	0	0	201966.95	199262.3	-19.44745
305	0	0	0	0	11767.780	117.55299	-13.21850
306	0	0	0	0	7439.1923	11326.346	0.0001141
307	0	0	0	0	7842.8041	7978.2948	0.0007574
308	0	0	0	0	6930.3904	8050.5551	5.4660705
309	0	0	0	0	8321.6361	9318.5436	-4.928458
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311	0	0	0	0	474.15967	2858.3507	0.0004097
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319	0	0	0	0	2214.9655	20018.498	0.0008656
320	0	0	0	0	15449.099	0	4.3541e-5
321	0	0	0	0	0	41823.851	0.0001980
322	0	0	0	0	2401.5954	12288.108	0.0001342
323	0	0	0	0	9932.4910	0	6.6708e-5
324	0	0	0	0	1136.4843	20867.814	4.0647e-5
325	0	0	0	0	13755.571	4251.4932	1.7584e-5
326	0	0	0	0	27965.905	18882.820	0.0002447
327	0	0	0	0	24037.146	3488.7882	-0.002184
328	0	0	0	0	5143.9491	263.62734	0.0015502
329	0	0	0	0	10151.800	0	72.103314
330	0	0	0	0	12280.561	0	0.0009263
331	0	0	0	0	5398.8116	0	0.0003617
332	0	0	0	0	10555.659	0	0.0004537
333	0	0	0	0	36210.582	3596.8490	0.0005836
334	0	0	0	0	24877.656	35304.194	0.0032438
335	0	0	0	0	78156.823	107817.82	91.790523
336	0	0	0	0	47732.511	0	0.0034520
337	0	0	0	0	23018.945	29929.812	0.0009363
338	0	0	0	0	33645.697	4234.493	0.0002533
339	0	0	0	0	2974.9206	66609.505	0.0007685
340	0	0	0	0	0	73870.302	0.0004426
341	0	0	0	0	18842.171	58357.676	0.0004369
342	0	0	0	0	17941.368	169103.09	0.0027214
343	0	0	0	0	436800.21	423478.2	54.154885
344	0	0	0	0	23272.463	2135.4961	0.0009294
345	0	0	0	0	28515.302	6886.5032	-0.000241
346	0	0	0	0	0	59751.014	0.0060415
347	0	0	0	0	28126.116	0	0.0047639
348	0	0	0	0	28742.695	44353.348	190.87975
349	0	0	0	0	16897.260	15720.368	0.0037801
350	0	0	0	0	21055.453	34668.306	0.0027583
351	0	0	0	0	13787.033	47021.831	0.0005004
352	0	0	0	0	37764.276	24264.215	0.0022746

353	0	0	0	0	17575.569	20588.483	0.0043022
354	0	0	0	0	73149.860	49622.764	21.603020
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356	0	0	0	0	62518.706	12671.487	0.0016149
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360	0	0	0	0	29015.183	18786.957	57.17192
361	0	0	0	0	25110.612	30476.258	0.0039154
362	0	0	0	0	29057.850	30743.959	17.27615
363	0	0	0	0	36007.015	42953.916	0.0058006
364	0	0	0	0	42970.762	16892.416	22.790182
365	0	0	0	0	97769.188	77971.508	22.815904
366	0	0	0	0	109180.47	86317.971	22.996443
367	0	0	0	0	43240.926	42726.525	0.0172896
368	0	0	0	0	18692.415	39586.500	-0.002705
369	0	0	0	0	19281.880	16105.817	30.894655
370	0	0	0	0	36274.620	34730.764	17.670464
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372	0	0	0	0	12951.099	15692.583	0.0219021
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375	0	0	0	0	19220.021	18956.698	0.0013255
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378	0	0	0	0	19440.752	27693.641	0.0005731
379	0	0	0	0	26149.560	40930.52	0.0006391
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388	0	0	0	0	27870.789	26206.242	0.0014169
389	0	0	0	0	29706.810	32905.593	0.0013366
390	0	0	0	0	32292.022	33925.373	0.0041391
391	0	0	0	0	45362.279	67167.027	0.0016977
392	0	0	0	0	35081.302	50660.938	-0.000800
393	0	0	0	0	15223.387	21490.317	-0.003066
394	0	0	0	0	13608.853	20108.83	-0.001952

395	0	0	0	0	24578.073	37739.786	-0.003243
396	0	0	0	0	12989.924	0	-27.61652
397	0	0	0	0	66972.641	98204.607	-82.65061
398	0	0	0	0	14346.505	33791.600	-172.0001
399	0	0	0	0	24400.151	39062.082	-94.09718
400	0	0	0	0	35107.535	24286.419	-51.48401
401	0	0	0	0	22544.972	19199.974	-27.80322
402	0	0	0	0	29607.757	31251.741	-15.49807
403	0	0	0	0	34120.066	36275.962	-12.62003
404	0	0	0	0	39387.384	38182.843	-15.90045
405	0	0	0	0	45951.704	25488.204	-20.59340
406	0	0	0	0	107195.41	88853.125	-20.54300
407	0	0	0	0	130744.02	96044.894	-20.69427
408	0	0	0	0	116151.75	82228.669	-19.53241
409	0	0	0	0	420504.10	411231.74	-48.98745
410	0	0	0	0	22186.876	935.28149	-64.69904
411	0	0	0	0	18429.32	20925.693	-0.002624
412	0	0	0	0	15313.97	15663.844	-0.001190
413	0	0	0	0	18473.377	21047.374	18.132769
414	0	0	0	0	21502.375	24158.986	-16.35848
415	0	0	0	0	15295.758	16489.414	-0.027451
416	0	0	0	0	19655.617	22500.535	-0.016596
417	0	0	0	0	30666.735	31937.180	-0.029685
418	0	0	0	0	33179.506	33179.508	-0.001608
419	[DELETED]						
420	[DELETED]						
421	0	0	0	0	6385.1220	0	0.0001852
422	0	0	0	0	24184.620	4295.7909	0.0010389
423	0	0	0	0	35965.459	12080.527	178.88168
424	0	0	0	0	4862.1914	11235.656	0.0009460
425	0	0	0	0	9786.2542	0	-0.000160
426	0	0	0	0	0	23817.074	0.0002378
427	0	0	0	0	1203.7948	11692.936	0.0001444
428	0	0	0	0	1339.9310	2015.4031	5.1267e-5
429	0	0	0	0	2781.9374	19915.753	2.4103e-5
430	0	0	0	0	11801.784	4810.9113	6.0302e-6
431	0	0	0	0	24269.538	17380.517	0.0001567
432	0	0	0	0	20835.062	5378.6119	8.6841e-5
433	0	0	0	0	5938.0062	0	0.0012260
434	0	0	0	0	17646.085	0	423.88393
435	0	0	0	0	12526.03	0	-0.000852
436	0	0	0	0	8166.0561	0	0.0003923

437	0	0	0	0	13534.217	0	0.0005280
438	0	0	0	0	29556.363	5852.9261	0.0002168
439	0	0	0	0	25202.873	27585.838	0.0029086
440	0	0	0	0	112435.64	139039.37	478.40732
441	0	0	0	0	23763.502	1773.6079	0.0041112
442	0	0	0	0	20168.760	26869.852	0.0005282
443	0	0	0	0	20352.767	13358.628	-0.000144
444	0	0	0	0	2367.6839	55550.968	0.0008337
445	0	0	0	0	0	63057.212	0.0003318
446	0	0	0	0	17354.306	65965.403	0.0002604
447	0	0	0	0	23847.352	120916.36	0.0030224
448	0	0	0	0	1063470.8	1035429.2	203.98845
449	0	0	0	0	26468.101	4498.2564	0.0005616
450	0	0	0	0	27346.222	8192.7695	0.0003277
451	0	0	0	0	15135.036	37870.198	0.0068512
452	0	0	0	0	19396.569	16333.256	0.0035751
453	0	0	0	0	48945.089	66266.580	580.29748
454	0	0	0	0	13606.196	13129.873	0.0033367
455	0	0	0	0	17961.652	28496.283	0.0020966
456	0	0	0	0	16113.809	35037.684	-0.000372
457	0	0	0	0	27687.484	27818.220	0.0036562
458	0	0	0	0	16532.716	17908.482	0.0101352
459	0	0	0	0	140436.68	122552.65	118.60156
460	0	0	0	0	34585.441	10778.862	-0.000699
461	0	0	0	0	31194.828	14796.130	0.0036314
462	0	0	0	0	48037.536	14307.037	0.0034526
463	0	0	0	0	19012.645	15413.073	0.0051111
464	0	0	0	0	70428.002	80219.009	341.69133
465	0	0	0	0	36414.775	34142.521	266.64193
466	0	0	0	0	22882.888	25306.666	0.0058685
467	0	0	0	0	58345.285	56137.639	96.067582
468	0	0	0	0	30395.542	32577.763	0.0135636
469	0	0	0	0	100957.75	92654.009	127.94987
470	0	0	0	0	172091.28	163867.27	130.00748
471	0	0	0	0	324113.19	312133.54	134.13625
472	0	0	0	0	13400.906	17820.846	0.0079082
473	0	0	0	0	18358.465	19857.695	-0.003073
474	0	0	0	0	30835.251	28896.756	160.36669
475	0	0	0	0	61142.607	57464.550	102.16273
476	0	0	0	0	8204.0403	8862.6198	0.0052218
477	0	0	0	0	7611.6254	9309.3899	0.0051035
478	0	0	0	0	4834.1676	4938.9017	-0.005056

479	0	0	0	0	45854.278	44061.115	80.979425
480	0	0	0	0	13846.558	14523.845	0.0023829
481	0	0	0	0	22315.244	25000.485	0.0057226
482	0	0	0	0	10446.17	11482.842	0.0044452
483	0	0	0	0	18195.217	28954.780	0.0006847
484	0	0	0	0	28097.787	39721.031	0.0010892
485	0	0	0	0	17097.671	18565.149	-0.001754
486	0	0	0	0	6593.5964	6478.9092	-0.001184
487	0	0	0	0	12432.687	11308.298	-0.004261
488	0	0	0	0	14134.299	12663.407	-0.005792
489	0	0	0	0	25827.982	27231.843	-0.008782
490	0	0	0	0	51430.021	21629.722	-0.000671
491	0	0	0	0	8201.3765	9383.0439	0.0027898
492	0	0	0	0	19508.870	22176.075	-0.004585
493	0	0	0	0	18670.118	19202.038	0.0027549
494	0	0	0	0	21506.182	22980.997	0.0027650
495	0	0	0	0	22742.292	23427.302	0.0090689
496	0	0	0	0	37067.14	48620.215	0.0031255
497	0	0	0	0	34097.296	40803.932	-0.002256
498	0	0	0	0	11937.742	14449.232	-0.007909
499	0	0	0	0	14691.635	17641.429	-0.004468
500	0	0	0	0	25057.148	29885.071	-0.007775
501	0	0	0	0	14140.193	0	-161.0703
502	0	0	0	0	99491.083	127736.51	-430.9356
503	0	0	0	0	38073.839	60733.998	-522.7293
504	0	0	0	0	48156.804	60278.141	-307.7922
505	0	0	0	0	36125.495	34296.539	-240.1927
506	0	0	0	0	36001.326	34054.312	-144.4156
507	0	0	0	0	52082.316	50163.277	-86.36494
508	0	0	0	0	38442.453	36650.891	-72.61231
509	0	0	0	0	43453.470	40669.332	-92.04683
510	0	0	0	0	82299.329	75068.798	-115.7039
511	0	0	0	0	156003.54	148533.89	-117.1199
512	0	0	0	0	310042.05	296146.36	-120.7601
513	0	0	0	0	131571.65	113141.34	-107.1780
514	0	0	0	0	1032353.5	1009669.2	-185.0532
515	0	0	0	0	41750.201	0	-380.8047
516	0	0	0	0	19084.771	19636.609	-0.006882
517	0	0	0	0	13831.304	13875.297	-0.003486
518	0	0	0	0	28295.112	26768.500	95.776502
519	0	0	0	0	39165.164	37804.66	-86.43781
520	0	0	0	0	7438.7015	7922.7403	-0.010392

521	0	0	0	0	6019.8385	6464.0637	-0.004023	
522	0	0	0	0	8736.3248	9115.4184	-0.007619	
523	0	0	0	0	31941.047	31941.051	-0.004195	
524	0	0	0	0	0	0	0	1-2533
525	0	0	0	0	0	0	0	2-2642
526	0	0	0	0	0	0	0	3-2842
527	0	0	0	0	0	0	0	4-2643
528	0	0	0	0	0	0	0	5-2508
529	0	0	0	0	0	0	0	6-2483
530	0	0	0	0	0	0	0	7-2465
531	0	0	0	0	0	0	0	8-2460
532	0	0	0	0	0	0	0	10-2927
533	0	0	0	0	0	0	0	10T-2957
534	0	0	0	0	0	0	0	11-3234
535	0	0	0	0	0	0	0	11T-3215
536	0	0	0	0	0	0	0	13-2692
537	0	0	0	0	0	0	0	14-2138
538	0	0	0	0	0	0	0	WCS-2590

TIME - 0 year UNITS - Length [L]: feet Time [T]: year

Sink data

Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis	Sink	Conn	Total Inflow [L^3/T]	Particles lost last analysis	Moles lost last analysis
0	427	462.35060949							
-1	19	15978597.886							

Element data

ELEM	1	2	3	4	5	6	7	8	9	10	11	12	ELEM
Node1	12	70	70	70	70	70	70	14	15	15	15	16	Node1
Node2	13	11	26	27	94	94	13	28	40	29	16	30	Node2
Node3	70	12	11	26	93	95	95	15	28	40	29	29	Node3
Matl	9	1	1	1	3	9	9	9	9	9	9	9	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	Area

Gradient	0.04134	0.18519	0.22748	0.29087	0.05388	0.05463	0.05357	0.06234	0.07346	0.03898	0.00015	0.01074	Grad
Angle deg	205.2	194.72	203.8	233.45	200.95	200.81	177.1	179.91	135.25	153.61	153.61	252.48	Angle

ELEM	13	14	15	16	17	18	19	20	21	22	23	24	ELEM
Node1	16	17	17	17	1	2	2	3	81	81	4	4	Node1
Node2	17	31	18	18	18	19	3	20	21	4	22	22	Node2
Node3	30	30	31	1	2	18	19	19	82	21	21	5	Node3
Matl	9	3	3	9	9	3	2	2	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	Area
Gradient	0.02318	0.19500	0.20175	0.00029	0.01503	0.23032	0.23798	0.21155	0.16454	0.14172	0.23196	0.07156	Grad
Angle deg	179.86	213.17	145.62	155.84	210.85	145.68	148.49	149.36	49.82	222.38	178.48	52.83	Angle

ELEM	25	26	27	28	29	30	31	32	33	34	35	36	ELEM
Node1	5	6	6	7	7	8	8	9	9	10	26	70	Node1
Node2	6	23	7	24	8	25	9	26	10	26	27	93	Node2
Node3	22	22	23	23	24	24	25	25	26	11	25	27	Node3
Matl	1	1	1	1	1	1	1	1	1	1	1	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	Area
Gradient	0.22450	0.17095	0.20134	0.15982	0.05643	0.08823	0.08340	0.10518	0.11405	0.12482	0.12618	0.45110	Grad
Angle deg	131.84	203.71	178.98	81.53	342.46	14.12	0	251.69	252.92	250.06	225.21	172.06	Angle

ELEM	37	38	39	40	41	42	43	44	45	46	47	48	ELEM
Node1	93	39	39	39	40	40	40	29	29	30	31	42	Node1
Node2	92	68	68	40	67	41	29	42	42	31	43	43	Node2
Node3	27	51	40	28	68	67	41	41	30	42	42	53	Node3
Matl	3	2	8	8	8	8	9	9	9	3	8	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	Area
Gradient	0.44994	0.06119	0.37216	0.18887	0.36865	0.55388	0.03761	0.03571	0.04081	0.20639	0.19254	0.51736	Grad
Angle deg	155.71	281.33	194.24	160.65	188.56	173.67	143.88	214.72	198.18	237.36	275.36	161.84	Angle

ELEM	49	50	51	52	53	54	55	56	57	58	59	60	ELEM
Node1	31	31	19	20	82	82	21	22	22	23	23	24	Node1
Node2	32	19	20	33	34	34	22	35	23	36	24	37	Node2
Node3	19	18	32	32	83	21	34	34	35	35	36	36	Node3
Matl	8	3	2	2	1	1	1	1	1	1	1	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	Area
Gradient	0.23459	0.20697	0.19058	0.36271	0.03387	0.18324	0.18115	0.15068	0.02067	0.18765	0.16891	0.37029	Grad
Angle deg	15.02	155.41	210	176.44	170.42	55.41	114.27	123.01	203.71	93.88	90.72	184.86	Angle

ELEM	61	62	63	64	65	66	67	68	69	70	71	72	ELEM
Node1	24	24	25	25	103	76	27	92	51	51	67	67	Node1
Node2	63	25	64	64	77	77	92	91	67	67	66	66	Node2
Node3	37	63	63	27	64	78	76	75	50	68	50	41	Node3
Matl	1	1	1	1	2	3	3	3	2	2	2	8	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	Area
Gradient	0.36186	0.25463	0.21032	0.20031	0.28045	0.30617	0.53074	0.72857	0.07638	0.04427	0.12315	0.47143	Grad
Angle deg	158.37	176.09	148.11	164.69	230.04	185.68	171.53	164.83	248.71	285.24	257.1	162.28	Angle

ELEM	73	74	75	76	77	78	79	80	81	82	83	84	ELEM
Node1	41	41	41	42	53	53	53	53	31	32	33	83	Node1
Node2	65	69	42	53	56	100	45	43	43	43	44	84	Node2
Node3	66	65	69	69	69	56	54	45	32	33	43	34	Node3
Matl	8	8	8	8	2	2	2	2	8	2	2	1	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	Area
Gradient	0.48559	0.47524	0.43005	0.40201	0.24630	0.06986	0.04735	0.19645	0.24844	0.36415	0.32080	0.03821	Grad
Angle deg	170.86	179.77	182.74	178.38	188.96	183.93	215.43	134.68	3.19	183.56	190.04	225.25	Angle

ELEM	85	86	87	88	89	90	91	92	93	94	95	96	ELEM
Node1	34	35	35	35	36	37	37	87	37	63	38	38	Node1
Node2	84	84	46	46	46	97	96	48	96	79	71	72	Node2
Node3	35	85	85	36	37	46	97	88	80	64	72	80	Node3
Matl	1	1	1	1	1	2	2	5	2	2	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	Area
Gradient	0.19238	0.24082	0.26506	0.31928	0.29961	0.25886	0.17895	0.44276	0.24031	0.21419	0.31213	0.31555	Grad
Angle deg	139.68	220.27	169.69	165.58	201.47	201.47	128.04	172.75	124.22	148.75	168.1	170.31	Angle

ELEM	97	98	99	100	101	102	103	104	105	106	107	108	ELEM
Node1	62	91	50	50	65	65	69	56	56	54	98	86	Node1
Node2	74	90	65	65	52	69	57	69	57	53	97	46	Node2
Node3	61	73	49	66	49	52	52	57	100	100	46	85	Node3
Matl	3	2	2	2	2	8	8	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	Area
Gradient	0.51687	0.64377	0.08180	0.15583	0.13635	0.33580	0.32734	0.36474	0.28069	0.04083	0.32647	0.36282	Grad
Angle deg	164.34	163.9	319.5	255.68	301.35	177.66	175.71	166.97	101.25	125.93	187.63	182.25	Angle

ELEM	109	110	111	112	113	114	115	116	117	118	119	120	ELEM

Node1	47	47	102	59	88	48	48	73	90	49	52	44	Node1
Node2	58	58	101	101	89	60	60	60	60	102	101	45	Node2
Node3	57	59	52	102	48	89	61	90	89	52	57	43	Node3
Matl	6	6	2	2	4	4	4	2	2	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	113504	73412	264604	Area
Gradient	0.16157	0.21807	0.18620	0.22205	0.50494	0.49923	0.60748	0.64715	0.52274	0.19173	0.16678	0.31888	Grad
Angle deg	51.6	342.92	255.79	312.7	179.67	178.27	165.24	164.45	179.54	255.77	188.94	208.7	Angle

ELEM	121	122	123	124	125	126	127	128	129	130	131	132	ELEM
Node1	62	71	48	77	37	38	38	63	79	48	60	73	Node1
Node2	72	72	61	76	63	79	77	80	64	80	73	74	Node2
Node3	61	62	72	27	80	80	79	79	77	72	61	61	Node3
Matl	4	4	4	3	2	3	3	2	2	3	3	3	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	38076	15950	101436	294860	416524.	39625	15670	175275	133330	88104	80895	81300	Area
Gradient	0.39199	0.33862	0.39336	0.39565	0.27515	0.33986	0.39595	0.22017	0.22163	0.49440	0.60668	0.59955	Grad
Angle deg	160.59	170.26	161.87	166.41	130.69	171.6	161.76	148.09	176.11	168.07	165.19	159.75	Angle

ELEM	133	134	135	136	137	138	139	140	141	142	143	144	ELEM
Node1	73	74	92	75	75	91	77	62	71	3	3	20	Node1
Node2	74	78	75	74	78	74	71	71	78	81	20	82	Node2
Node3	91	62	76	78	76	75	38	78	77	82	82	83	Node3
Matl	3	3	3	3	3	3	3	4	3	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	7555	7555	7315	Area
Gradient	0.67594	0.55900	0.49837	0.57119	0.49959	0.68007	0.31969	0.42237	0.29071	0.11912	0.11900	0.00447	Grad
Angle deg	162.75	154.95	183.02	166.1	183.47	161.63	162.82	147.39	159.88	90	90.94	115.95	Angle

ELEM	145	146	147	148	149	150	151	152	153	154	155	156	ELEM
Node1	20	33	33	44	44	45	45	54	54	47	47	59	Node1
Node2	33	83	44	84	45	85	54	86	99	87	59	88	Node2
Node3	83	84	84	85	85	86	86	98	98	88	88	89	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	7315	3675	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	Area
Gradient	0.00397	0.02440	0.02599	0.16031	0.16025	0.02902	0.02902	0.01858	0.01899	0.02531	0.02516	0.10550	Grad
Angle deg	79.12	271.75	255.77	267.71	270	270	270	90	102.7	270	254.28	266.29	Angle

ELEM	157	158	159	160	161	162	163	164	165	166	167	168	ELEM
Node1	59	55	55	49	49	50	50	51	51	39	39	28	Node1
Node2	55	89	49	90	50	91	51	92	39	93	28	94	Node2

Node3	89	90	90	91	91	92	92	93	93	94	94	95	Node3
Matl	7	7	7	7	7	7	7	7	7	7	7	7	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	1405	3090	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	Area
Gradient	0.10484	0.12640	0.12919	0.03194	0.03194	0.08185	0.08015	0.05007	0.04585	0.04424	0.29119	0.27271	Grad
Angle deg	261.35	262.83	270	270	270	270	266.46	264.33	243.43	243.43	155.54	134.12	Angle

ELEM	169	170	171	172	173	174	175	176	177	178	179	180	ELEM
Node1	28	48	48	97	97	46	54	99	99	100	100	57	Node1
Node2	14	80	96	87	98	98	100	98	87	99	57	58	Node2
Node3	95	96	87	96	87	86	99	87	47	47	47	101	Node3
Matl	7	2	2	2	2	2	2	7	7	2	2	2	Matl
Soil	1	1	1	1	1	1	1	1	1	1	1	1	Soil
Area ft^2	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	Area
Gradient	0.06227	0.52726	0.40386	0.39989	0.34127	0.35653	0.01900	0.07538	0.07541	0.10343	0.10233	0.08420	Grad
Angle deg	180	171.73	169.8	169.18	189.12	176.14	75.4	266.82	270	309.67	318.3	45.38	Angle

ELEM	181	182	183	184	185	186	187	188	189	190	191	192	ELEM
Node1	58	102	102	77	64	117	175	175	175	175	175	175	Node1
Node2	101	59	55	27	27	118	116	131	132	199	199	118	Node2
Node3	59	55	49	103	103	175	117	116	131	198	200	200	Node3
Matl	2	2	2	2	2	12	11	11	11	13	12	12	Matl
Soil	1	1	1	1	1	2	2	2	2	2	2	2	Soil
Area ft^2	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	Area
Gradient	0.19497	0.18795	0.20403	0.05513	0.40340	0.04201	0.18367	0.22554	0.27934	0.06322	0.05396	0.05338	Grad
Angle deg	334.72	313.92	307.81	117.8	157.8	203.4	194.39	203.55	231.1	197.04	198.14	177.86	Angle

ELEM	193	194	195	196	197	198	199	200	201	202	203	204	ELEM
Node1	119	120	120	120	121	121	122	122	122	106	107	107	Node1
Node2	133	145	134	121	135	122	136	123	123	123	124	108	Node2
Node3	120	133	145	134	134	135	135	136	106	107	123	124	Node3
Matl	12	12	12	12	12	12	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	Area
Gradient	0.06253	0.07178	0.04245	0.00129	0.01139	0.02465	0.18902	0.19515	0.00349	0.01715	0.22405	0.23389	Grad
Angle deg	179.55	137.74	154.13	170.98	246.81	180.12	212.79	146.13	176.47	205.02	146.1	149.68	Angle

ELEM	205	206	207	208	209	210	211	212	213	214	215	216	ELEM
Node1	108	186	186	109	109	110	111	111	112	112	113	113	Node1
Node2	125	126	109	127	127	111	128	112	129	113	130	114	Node2
Node3	124	187	126	126	110	127	127	128	128	129	129	130	Node3
Matl	12	11	11	11	11	11	11	11	11	11	11	11	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	Area
Gradient	0.20408	0.14714	0.13077	0.21812	0.06910	0.21270	0.15652	0.18611	0.15216	0.05141	0.08169	0.07646	Grad
Angle deg	150.88	52.03	220.01	177.36	56.23	131.36	200.42	177.32	82.15	343.68	15.16	357.88	Angle

ELEM	217	218	219	220	221	222	223	224	225	226	227	228	ELEM
Node1	114	114	115	131	175	198	144	144	144	145	145	145	Node1
Node2	131	115	131	132	198	197	173	173	145	172	146	134	Node2
Node3	130	131	116	130	132	132	156	145	133	173	172	146	Node3
Matl	11	11	11	11	13	13	12	18	18	18	18	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	Area
Gradient	0.10191	0.11175	0.12310	0.12917	0.43320	0.43078	0.05667	0.31455	0.18609	0.31437	0.47235	0.04338	Grad
Angle deg	251.23	252.66	249.63	220.87	172.39	156.68	213.77	189.84	161.55	189.33	174.1	157.75	Angle

ELEM	229	230	231	232	233	234	235	236	237	238	239	240	ELEM
Node1	134	134	135	136	147	136	136	124	125	187	187	126	Node1
Node2	147	147	136	148	148	137	124	125	138	139	139	127	Node2
Node3	146	135	147	147	158	124	123	137	137	188	126	139	Node3
Matl	12	12	12	18	18	18	12	12	12	11	11	11	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	Area
Gradient	0.04303	0.04646	0.19779	0.17817	0.44263	0.18610	0.20086	0.18072	0.32832	0.03900	0.16604	0.17129	Grad
Angle deg	203.95	196.59	235.52	269.08	164.84	18.39	156.31	205.17	176.28	170.55	57.81	116.23	Angle

ELEM	241	242	243	244	245	246	247	248	249	250	251	252	ELEM
Node1	127	127	128	128	129	129	129	130	130	208	181	132	Node1
Node2	140	128	141	129	142	168	130	169	169	182	182	197	Node2
Node3	139	140	140	141	141	142	168	168	132	169	183	181	Node3
Matl	11	11	11	11	11	11	11	11	11	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	Area
Gradient	0.14645	0.02470	0.17654	0.16547	0.35370	0.34753	0.24852	0.20738	0.20091	0.26573	0.29170	0.50292	Grad
Angle deg	124.08	182.38	96.2	94.5	183.35	158.93	175.99	151.53	166.07	162.36	178.33	171.31	Angle

ELEM	253	254	255	256	257	258	259	260	261	262	263	264	ELEM
Node1	197	156	156	172	172	146	146	146	147	158	158	158	Node1
Node2	196	172	172	171	171	170	174	147	158	161	205	150	Node2
Node3	180	155	173	155	146	171	170	174	174	174	161	159	Node3
Matl	13	12	12	12	18	18	18	18	18	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	Area

Gradient	0.64001	0.08522	0.06323	0.11577	0.40930	0.42542	0.41984	0.39417	0.36655	0.25053	0.07740	0.07692	Grad
Angle deg	165.54	220.53	222.16	236.1	164.41	173.56	180.66	182.57	177.81	185.18	171.97	202.09	Angle

ELEM	265	266	267	268	269	270	271	272	273	274	275	276	ELEM
Node1	158	136	137	138	188	139	140	140	140	141	142	142	Node1
Node2	148	148	148	149	189	189	189	151	151	151	202	201	Node2
Node3	150	137	138	148	139	140	190	190	141	142	151	202	Node3
Matl	12	18	12	12	11	11	11	11	11	11	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	Area
Gradient	0.17730	0.20151	0.33030	0.29509	0.04278	0.19066	0.22808	0.25270	0.30902	0.28823	0.26186	0.18085	Grad
Angle deg	146.17	1.24	184.73	190.68	222.7	141.24	216.83	170.92	166.26	198.07	197.73	144	Angle

ELEM	277	278	279	280	281	282	283	284	285	286	287	288	ELEM
Node1	192	142	168	143	143	167	196	155	155	170	170	174	Node1
Node2	153	201	184	176	177	179	195	170	170	157	174	162	Node2
Node3	193	185	169	177	185	166	178	154	171	154	157	157	Node3
Matl	15	12	12	13	13	13	12	12	12	12	18	18	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	Area
Gradient	0.41114	0.24472	0.23653	0.30024	0.29843	0.49397	0.65784	0.04430	0.15210	0.10179	0.30261	0.29514	Grad
Angle deg	173.52	135.47	155.3	168.07	166.67	164.87	164.22	289.79	239.55	283.02	179.04	177.23	Angle

ELEM	289	290	291	292	293	294	295	296	297	298	299	300	ELEM
Node1	161	161	159	203	191	152	152	207	164	193	153	153	Node1
Node2	174	162	158	202	151	163	163	206	206	194	165	165	Node2
Node3	162	205	205	151	190	162	164	157	207	153	194	166	Node3
Matl	12	12	12	12	12	16	16	12	12	14	14	14	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	Area
Gradient	0.31025	0.20580	0.06361	0.32133	0.34514	0.08098	0.12422	0.15056	0.14784	0.45811	0.43563	0.50047	Grad
Angle deg	172.6	108.95	155.58	186.49	182.96	53.53	336.11	246.06	302.05	179.19	171.89	163.82	Angle

ELEM	301	302	303	304	305	306	307	308	309	310	311	312	ELEM
Node1	178	195	154	157	149	167	176	153	182	142	143	143	Node1
Node2	165	165	207	206	150	177	177	166	181	168	184	182	Node2
Node3	195	194	157	162	148	166	167	177	132	185	185	184	Node3
Matl	12	12	12	12	12	14	14	14	13	12	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	44572	90640	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	Area
Gradient	0.65373	0.52756	0.16378	0.14512	0.29301	0.38465	0.33570	0.38447	0.35768	0.27651	0.29672	0.28365	Grad
Angle deg	163.55	178.09	246.81	193.4	207.39	161.69	170.98	161.52	165.11	139.48	166.54	169.6	Angle

ELEM	313	314	315	316	317	318	319	320	321	322	323	324	ELEM
Node1	168	184	153	165	178	178	179	197	180	180	196	182	Node1
Node2	185	169	185	178	179	179	183	180	179	183	179	176	Node2
Node3	184	182	177	166	166	196	167	181	183	181	180	143	Node3
Matl	12	12	13	13	13	13	13	13	13	13	13	13	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	175275	133330	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	Area
Gradient	0.23908	0.24499	0.44640	0.52906	0.52457	0.61115	0.51009	0.48089	0.52360	0.48190	0.61713	0.29931	Grad
Angle deg	154.95	173.83	165.82	165.94	162.87	166.11	160.43	178.45	168.64	178.99	163.94	168.95	Angle

ELEM	325	326	327	328	329	330	331	332	333	334	335	336	ELEM
Node1	167	176	108	108	125	125	138	138	149	149	150	150	Node1
Node2	176	183	186	125	187	138	188	149	189	150	190	159	Node2
Node3	183	182	187	187	188	188	189	189	190	190	191	191	Node3
Matl	14	13	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	Area
Gradient	0.38218	0.28542	0.11016	0.11023	0.00578	0.00445	0.02585	0.02604	0.14135	0.14135	0.03187	0.03180	Grad
Angle deg	154.79	167.88	93.74	91.81	127.2	83.85	271.05	267.74	269.58	268.79	264.63	267.66	Angle

ELEM	337	338	339	340	341	342	343	344	345	346	347	348	ELEM
Node1	159	159	152	152	164	164	160	160	154	154	155	155	Node1
Node2	191	204	192	164	193	160	194	154	195	155	196	156	Node2
Node3	203	203	193	193	194	194	195	195	196	196	197	197	Node3
Matl	17	17	17	17	17	17	17	17	17	17	17	17	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1650	1650	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	Area
Gradient	0.00264	0.00334	0.02863	0.02958	0.09122	0.09169	0.11358	0.11377	0.03586	0.03624	0.07523	0.07505	Grad
Angle deg	119.38	136.97	260.97	246.42	262.54	253.28	256.57	259.84	236	234.05	253.57	248.58	Angle

ELEM	349	350	351	352	353	354	355	356	357	358	359	360	ELEM
Node1	156	156	144	144	133	133	153	153	202	202	151	159	Node1
Node2	197	144	198	133	199	119	185	201	192	203	203	205	Node2
Node3	198	198	199	199	200	200	201	192	201	192	191	204	Node3
Matl	17	17	17	17	17	17	12	12	12	12	12	12	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	Area
Gradient	0.05098	0.05105	0.04890	0.05208	0.05232	0.05221	0.49105	0.35730	0.37307	0.32993	0.34025	0.01140	Grad
Angle deg	237.48	236.18	235.86	216.7	216.74	212.74	171.48	169.02	171.62	187.43	178.74	167.76	Angle

ELEM	361	362	363	364	365	366	367	368	369	370	371	372	ELEM

Node1	204	204	205	205	162	163	207	207	182	169	222	280	Node1
Node2	203	192	204	162	163	206	164	160	132	132	223	221	Node2
Node3	192	152	152	152	206	164	160	154	208	208	280	222	Node3
Matl	17	17	12	12	12	12	12	12	12	12	22	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	Area
Gradient	0.06336	0.06341	0.07262	0.07214	0.04094	0.11580	0.12629	0.14585	0.26573	0.26573	0.04389	0.17916	Grad
Angle deg	267.78	265.93	295.54	296.49	48.85	329.69	301.37	294.58	162.36	162.36	198.92	193.5	Angle

ELEM	373	374	375	376	377	378	379	380	381	382	383	384	ELEM
Node1	280	280	280	280	280	224	225	225	225	226	226	227	Node1
Node2	236	237	304	304	223	238	250	239	226	240	227	241	Node2
Node3	221	236	303	305	305	225	238	250	239	239	240	240	Node3
Matl	21	21	23	22	22	22	22	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5589566	2666693	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	Area
Gradient	0.22146	0.25973	0.07231	0.05311	0.05270	0.06138	0.06604	0.05043	0.00446	0.01346	0.02835	0.17670	Grad
Angle deg	203.17	226.55	194.32	195.65	180.13	178.74	145.16	155.35	173.65	234.25	180.68	211.82	Angle

ELEM	385	386	387	388	389	390	391	392	393	394	395	396	ELEM
Node1	227	227	211	212	212	213	291	291	214	214	215	216	Node1
Node2	228	228	228	229	213	230	231	214	232	232	216	233	Node2
Node3	241	211	212	228	229	229	292	231	231	215	232	232	Node3
Matl	22	22	22	22	22	22	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2319949	1749880	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	Area
Gradient	0.18130	0.01146	0.02310	0.20917	0.22245	0.19147	0.11800	0.11303	0.19510	0.06542	0.19249	0.13355	Grad
Angle deg	147.54	177.87	195.72	147.29	152.08	153.82	57.14	215.14	175.16	62.47	130.41	193.46	Angle

ELEM	397	398	399	400	401	402	403	404	405	406	407	408	ELEM
Node1	216	217	217	218	218	219	219	220	236	280	303	249	Node1
Node2	217	234	218	235	219	236	220	236	237	303	302	278	Node2
Node3	233	233	234	234	235	235	236	221	235	237	237	261	Node3
Matl	21	21	21	21	21	21	21	21	21	23	23	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1907214	2603778	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	Area
Gradient	0.16086	0.13906	0.04264	0.07029	0.06464	0.09622	0.10771	0.11993	0.13577	0.40200	0.39796	0.12472	Grad
Angle deg	173.79	83.47	346.34	17.41	353.21	250.26	252.1	248.83	213.93	172.89	158.41	177.95	Angle

ELEM	409	410	411	412	413	414	415	416	417	418	419	420	ELEM
Node1	249	249	250	250	250	239	239	240	241	252	241	241	Node1
Node2	278	250	277	251	239	252	252	241	253	253	242	229	Node2

Node3	250	238	278	277	251	251	240	252	252	263	229	228	Node3
Matl	28	28	28	28	22	22	22	22	28	28	28	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	194509.	574234	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	Area
Gradient	0.22964	0.17468	0.22945	0.33036	0.06180	0.06243	0.05992	0.18031	0.15409	0.32545	0.11093	0.18770	Grad
Angle deg	181.1	164.21	190.17	175.81	176.21	191.01	193.95	230.61	258.2	171.15	29	158	Angle

ELEM	421	422	423	424	425	426	427	428	429	430	431	432	ELEM
Node1	229	230	292	292	231	232	232	233	233	234	234	234	Node1
Node2	230	243	244	244	232	245	233	246	234	247	273	235	Node2
Node3	242	242	293	231	244	244	245	245	246	246	247	273	Node3
Matl	22	22	21	21	21	21	21	21	21	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	947373	575165	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	Area
Gradient	0.16796	0.27541	0.04805	0.13794	0.15522	0.13898	0.03610	0.15890	0.16078	0.32717	0.32393	0.23904	Grad
Angle deg	196.93	175.98	170.89	63.3	120.01	126.16	162.55	100.82	101.05	180.69	160.07	175.85	Angle

ELEM	433	434	435	436	437	438	439	440	441	442	443	444	ELEM
Node1	235	235	313	286	237	302	261	261	277	277	251	251	Node1
Node2	274	274	287	287	302	301	277	277	276	276	275	279	Node2
Node3	273	237	274	288	286	285	260	278	260	251	276	275	Node3
Matl	21	21	22	23	23	23	22	22	22	28	28	28	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	358470	1217442	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	Area
Gradient	0.20486	0.20285	0.29450	0.27201	0.45481	0.52151	0.12204	0.12921	0.13295	0.30161	0.31908	0.31846	Grad
Angle deg	157.53	168.19	162.78	170.36	170.76	166.85	195.56	196.73	207.96	170.43	179.49	182.29	Angle

ELEM	445	446	447	448	449	450	451	452	453	454	455	456	ELEM
Node1	251	252	263	263	263	263	241	242	243	293	244	245	Node1
Node2	252	263	266	310	255	253	253	253	254	294	294	294	Node2
Node3	279	279	279	266	264	255	242	243	253	244	245	295	Node3
Matl	28	28	22	22	22	22	28	22	22	21	21	21	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	521739.	413770	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	Area
Gradient	0.31986	0.29901	0.24368	0.09920	0.12158	0.16513	0.12658	0.27851	0.25610	0.05041	0.18718	0.20945	Grad
Angle deg	182.16	177.7	181.25	166.51	195.04	165.9	355.49	187	191.69	217.87	143.93	210.73	Angle

ELEM	457	458	459	460	461	462	463	464	465	466	467	468	ELEM
Node1	245	245	246	247	247	297	247	273	248	248	272	301	Node1
Node2	256	256	256	307	306	258	306	289	281	282	284	300	Node2
Node3	295	246	247	256	307	298	290	274	282	290	271	283	Node3
Matl	21	21	21	22	22	25	22	22	23	23	23	22	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	630702	706905	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	Area
Gradient	0.23324	0.29141	0.27112	0.26803	0.20555	0.36265	0.25869	0.26872	0.27365	0.26680	0.44041	0.63957	Grad
Angle deg	172.96	167.39	192.38	192.27	162.46	174.54	150.25	163.06	169.26	162.76	167.1	164.94	Angle

ELEM	469	470	471	472	473	474	475	476	477	478	479	480	ELEM
Node1	260	260	275	275	279	266	266	264	308	296	257	257	Node1
Node2	275	275	262	279	267	279	267	263	307	256	268	268	Node2
Node3	259	276	259	262	262	267	310	310	256	295	267	269	Node3
Matl	22	22	22	28	28	22	22	22	22	22	26	26	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	215962	113545	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	Area
Gradient	0.06172	0.16063	0.09067	0.26195	0.25195	0.25182	0.14044	0.10720	0.31038	0.31812	0.02388	0.03400	Grad
Angle deg	203.67	216.43	236.94	181.75	179.15	179.21	130.95	171.88	185.1	184.22	147.83	280.12	Angle

ELEM	481	482	483	484	485	486	487	488	489	490	491	492	ELEM
Node1	312	269	298	258	258	283	300	259	262	254	272	281	Node1
Node2	311	311	299	270	270	270	270	312	311	255	282	282	Node2
Node3	262	312	258	299	271	300	299	262	267	253	271	272	Node3
Matl	22	22	24	24	24	22	22	22	22	22	24	24	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	58460	56985	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	Area
Gradient	0.11384	0.07655	0.38999	0.35962	0.37170	0.62512	0.50479	0.12983	0.11882	0.25382	0.35681	0.32061	Grad
Angle deg	224.46	255.87	178.34	162.85	161.27	162.47	176.25	228.6	199.63	204.63	165.02	173.08	Angle

ELEM	493	494	495	496	497	498	499	500	501	502	503	504	ELEM
Node1	258	287	247	248	248	273	289	258	270	283	283	284	Node1
Node2	271	286	273	289	287	290	274	290	283	284	284	288	Node2
Node3	282	237	290	290	289	289	287	282	271	271	301	272	Node3
Matl	24	23	22	23	23	22	22	23	23	23	23	23	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	101436	294860	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	Area
Gradient	0.35187	0.30947	0.28720	0.27286	0.22074	0.27008	0.27542	0.38101	0.42655	0.42884	0.51781	0.44377	Grad
Angle deg	160.7	163.28	151.99	163.35	179.39	162.84	171.89	163.17	166.69	168.13	171.07	165.81	Angle

ELEM	505	506	507	508	509	510	511	512	513	514	515	516	ELEM
Node1	302	285	285	301	287	272	281	213	213	230	230	243	Node1
Node2	285	284	288	284	281	281	288	291	230	292	243	293	Node2
Node3	286	288	286	285	248	288	287	292	292	293	293	294	Node3
Matl	23	23	23	23	23	24	23	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	143185	67450	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	Area

Gradient	0.44574	0.45567	0.44636	0.52445	0.26980	0.34227	0.27485	0.09496	0.09502	0.00612	0.00519	0.02694	Grad
Angle deg	173.55	171.67	174.14	167.08	175.23	162.57	175.5	93.78	91.82	119.59	83.31	271.28	Angle

ELEM	517	518	519	520	521	522	523	524	525	526	527	528	ELEM
Node1	243	254	254	255	255	264	264	257	257	269	269	265	Node1
Node2	254	294	255	295	264	296	309	297	269	298	265	299	Node2
Node3	294	295	295	296	296	308	308	298	298	299	299	300	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	27	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3675	3360	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	Area
Gradient	0.02706	0.11159	0.11160	0.03633	0.03629	0.01894	0.01902	0.03170	0.03219	0.07187	0.07238	0.09281	Grad
Angle deg	268.88	269.73	268.61	265.75	267.52	265.24	263.25	261.53	250.89	261.56	252.65	256.55	Angle

ELEM	529	530	531	532	533	534	535	536	537	538	539	540	ELEM
Node1	265	259	259	260	260	261	261	249	249	238	238	258	Node1
Node2	259	300	260	301	261	302	249	303	238	304	224	290	Node2
Node3	300	301	301	302	302	303	303	304	304	305	305	306	Node3
Matl	27	27	27	27	27	27	27	27	27	27	27	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3090	3130	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	Area
Gradient	0.09286	0.04201	0.04260	0.07308	0.07308	0.05892	0.05905	0.05369	0.05589	0.05117	0.05077	0.43961	Grad
Angle deg	258.34	243.47	239.22	252.64	246.37	240.2	236.65	235.97	220.7	220.3	212.92	171.97	Angle

ELEM	541	542	543	544	545	546	547	548	549	550	551	552	ELEM
Node1	258	307	307	256	264	309	309	310	310	267	268	312	Node1
Node2	306	297	308	308	310	308	297	309	267	268	311	269	Node2
Node3	297	306	297	296	309	297	257	257	257	311	269	265	Node3
Matl	22	22	22	22	22	27	27	22	22	22	22	22	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	80412.5	69654	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	Area
Gradient	0.30692	0.34058	0.31513	0.31591	0.04456	0.05102	0.05110	0.05406	0.06564	0.03586	0.04285	0.07248	Grad
Angle deg	169.34	175.2	185.67	182.56	204.25	267.48	264.75	247.24	243.76	196.52	258.79	251.84	Angle

ELEM	553	554	555	556	557	558	559	560	561	562	563	564	ELEM
Node1	312	287	274	327	385	385	385	385	385	385	329	330	Node1
Node2	265	237	237	328	326	341	342	409	409	328	343	355	Node2
Node3	259	313	313	385	327	326	341	408	410	410	330	343	Node3
Matl	22	22	22	32	31	31	31	33	32	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	82594	239509.	377244	3378944	3064848	5589566	2666693	609588.	1782930	2497638	2541308	2233853	Area
Gradient	0.09284	0.29450	0.29450	0.04698	0.17245	0.21489	0.23436	0.08355	0.05161	0.05133	0.05980	0.06065	Grad
Angle deg	253.29	162.78	162.78	192.91	192.06	202.48	218.81	191.92	192.7	184.12	177.11	156.23	Angle

ELEM	565	566	567	568	569	570	571	572	573	574	575	576	ELEM
Node1	330	330	331	331	332	332	332	316	317	317	318	396	Node1
Node2	344	331	345	332	346	333	333	333	334	318	335	336	Node2
Node3	355	344	344	345	345	346	316	317	333	334	334	397	Node3
Matl	32	32	32	32	32	32	32	32	32	32	32	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2504427	1864796	1552278	1943491	2182138	2319949	1749880	2066921	1690954	1623746	1053331	1040487	Area
Gradient	0.05969	0.00940	0.01719	0.03335	0.15998	0.16268	0.02194	0.03199	0.18804	0.20670	0.17285	0.07867	Grad
Angle deg	156.99	175.62	220.98	181.29	210.27	149.79	178.34	189.58	149.39	155.99	158.91	69.91	Angle

ELEM	577	578	579	580	581	582	583	584	585	586	587	588	ELEM
Node1	396	319	319	320	321	321	322	322	323	323	324	324	Node1
Node2	319	337	337	321	338	322	339	323	340	324	341	325	Node2
Node3	336	336	320	337	337	338	338	339	339	340	340	341	Node3
Matl	31	31	31	31	31	31	31	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1798853	2100178	3537734	2715712	767640	1907214	2603778	2774184	1995354	2911979	3673185	4131013	Area
Gradient	0.09063	0.16432	0.06141	0.16382	0.10617	0.12764	0.12053	0.02975	0.05365	0.04828	0.08793	0.10164	Grad
Angle deg	206.1	171.28	72.08	128.74	179.85	166.68	86.19	352.38	22.41	342.7	248.34	250.95	Angle

ELEM	589	590	591	592	593	594	595	596	597	598	599	600	ELEM
Node1	325	341	385	408	354	354	354	355	355	355	344	344	Node1
Node2	341	342	408	407	383	383	355	382	356	344	357	357	Node2
Node3	326	340	342	342	366	355	343	383	382	356	356	345	Node3
Matl	31	31	33	33	32	38	38	38	38	32	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	5056838	2432345	2020853	706926	187211	194509.	574234	192678	279925.	919665	1247598	1945846	Area
Gradient	0.11476	0.14772	0.35639	0.35085	0.19067	0.16033	0.16084	0.15259	0.18750	0.08445	0.08446	0.07628	Grad
Angle deg	247.46	205.27	173.75	161.05	170.62	167.85	168.08	188.66	180.04	185.34	185.43	191.79	Angle

ELEM	601	602	603	604	605	606	607	608	609	610	611	612	ELEM
Node1	345	346	357	346	346	334	335	397	397	336	337	337	Node1
Node2	346	358	358	347	334	335	348	349	349	337	350	338	Node2
Node3	357	357	368	334	333	347	347	398	336	349	349	350	Node3
Matl	32	38	38	38	32	32	32	31	31	31	31	31	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1882426	875601	394450.	488486	1633946	947373	575165	970235	893315	1190937	1041522	940341	Area
Gradient	0.15930	0.13135	0.20889	0.04743	0.16987	0.15563	0.21405	0.06184	0.10288	0.13454	0.12786	0.05448	Grad
Angle deg	222.97	242.26	183.92	79.44	160.42	186.8	175.5	171.68	76.03	126.45	129.84	151.7	Angle

ELEM	613	614	615	616	617	618	619	620	621	622	623	624	ELEM

Node1	338	338	339	339	339	340	340	418	391	342	407	366	Node1
Node2	351	339	352	378	340	379	379	392	392	407	406	382	Node2
Node3	350	351	351	352	378	378	342	379	393	391	390	365	Node3
Matl	31	31	31	31	31	31	31	32	33	33	33	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1142821	1577549	1010692	838440.	962803	358470	1217442	81175	61050	759617.	97638.5	296663.	Area
Gradient	0.13752	0.15612	0.29354	0.29259	0.22781	0.20623	0.20696	0.31689	0.24318	0.38661	0.40219	0.16852	Grad
Angle deg	108.95	110.28	176.88	162.19	175.7	165.67	170.7	163.76	166.19	169.77	168.92	183.61	Angle

ELEM	625	626	627	628	629	630	631	632	633	634	635	636	ELEM
Node1	366	382	382	356	356	356	357	368	368	368	368	346	Node1
Node2	382	381	381	380	384	357	368	371	415	360	358	358	Node2
Node3	383	365	356	381	380	384	384	384	371	369	360	347	Node3
Matl	32	32	38	38	38	38	38	32	32	32	32	38	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	186242	97020	84705	98430	414360	521739.	413770	178962	139167	279349.	348783	339009	Area
Gradient	0.18846	0.17003	0.19684	0.21064	0.20977	0.23352	0.22089	0.22821	0.13028	0.16468	0.17264	0.04816	Grad
Angle deg	187.36	188.61	182.21	188.89	185.51	181.98	178.33	177.81	167.49	192.18	185.48	329.12	Angle

ELEM	637	638	639	640	641	642	643	644	645	646	647	648	ELEM
Node1	347	348	398	349	350	350	350	351	352	352	402	352	Node1
Node2	358	359	399	399	399	361	361	361	412	411	363	411	Node2
Node3	348	358	349	350	400	400	351	352	361	412	403	395	Node3
Matl	32	32	31	31	31	31	31	31	32	32	35	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	413692.	302966.	502159	760112.	438598	630702	706905	555470	210216	158070.	100255.	240649.	Area
Gradient	0.21889	0.21166	0.06156	0.18115	0.18921	0.20923	0.26630	0.25048	0.27552	0.24420	0.31140	0.27559	Grad
Angle deg	190.53	192.56	210.03	147.96	201.87	175.48	168.87	185.01	186.54	174.36	175.79	164.14	Angle

ELEM	649	650	651	652	653	654	655	656	657	658	659	660	ELEM
Node1	378	353	353	377	406	365	365	380	380	384	371	371	Node1
Node2	394	386	387	389	405	380	380	367	384	372	384	372	Node2
Node3	379	387	395	376	388	364	381	364	367	367	372	415	Node3
Matl	32	33	33	33	32	32	32	32	38	38	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	177660	8750	50600	41430	68372	215962	113545	298244	205940	142533	56183.5	31500.5	Area
Gradient	0.30139	0.24829	0.23714	0.36289	0.55186	0.13334	0.18315	0.14470	0.27816	0.24248	0.25322	0.16868	Grad
Angle deg	170.24	172.45	161.6	170.57	166.33	182.94	195.49	211.21	185.35	176.36	172.42	136.58	Angle

ELEM	661	662	663	664	665	666	667	668	669	670	671	672	ELEM
Node1	369	413	401	362	362	417	374	403	363	363	388	405	Node1
Node2	368	412	361	373	373	416	416	404	375	375	375	375	Node2

Node3	415	361	400	372	374	367	417	363	404	376	405	404	Node3
Matl	32	32	32	39	39	39	39	34	34	34	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	216485	87225	173496	44075.5	40841	58460	56985	73642.5	75930	92042	44572	90640	Area
Gradient	0.15068	0.29513	0.28629	0.06320	0.06352	0.08073	0.08018	0.31904	0.29364	0.26791	0.52860	0.43419	Grad
Angle deg	176.58	183.59	185.96	204.68	202.02	208.95	209.13	177.07	155.38	159.04	161.76	173.76	Angle

ELEM	673	674	675	676	677	678	679	680	681	682	683	684	ELEM
Node1	364	367	359	377	386	363	392	352	353	353	378	394	Node1
Node2	417	416	360	387	387	376	391	378	394	392	395	379	Node2
Node3	367	372	358	376	377	387	342	395	395	394	394	392	Node3
Matl	39	39	32	34	34	34	33	32	33	33	32	32	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	113504	73412	264604	38076	15950	101436	294860	416524.	39625	15670	175275	133330	Area
Gradient	0.08476	0.08102	0.20970	0.30532	0.28532	0.29442	0.26486	0.30562	0.26152	0.20627	0.30131	0.30159	Grad
Angle deg	211.75	207.7	199.49	169.57	175.36	160.17	161.92	164.46	164.19	183.95	170.26	170.42	Angle

ELEM	685	686	687	688	689	690	691	692	693	694	695	696	ELEM
Node1	363	375	388	388	389	407	390	390	406	392	377	386	Node1
Node2	395	388	389	389	393	390	389	393	389	386	386	393	Node2
Node3	387	376	376	406	377	391	393	391	390	353	393	392	Node3
Matl	33	33	33	33	33	33	33	33	33	33	34	33	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	88104	80895	81300	97915	24915	143185	67450	94050	69365	25987.5	25601.5	52650	Area
Gradient	0.31384	0.32536	0.33644	0.41122	0.36502	0.38288	0.37442	0.38304	0.41594	0.24615	0.29646	0.24979	Grad
Angle deg	162.21	166.95	174.04	176.03	169.34	171.01	173.98	171.28	170.16	179.38	167.65	179.54	Angle

ELEM	697	698	699	700	701	702	703	704	705	706	707	708	ELEM
Node1	318	318	335	335	348	348	359	359	360	360	369	369	Node1
Node2	396	335	397	348	398	359	399	360	400	369	401	414	Node2
Node3	397	397	398	398	399	399	400	400	401	401	413	413	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7555	7555	7315	7315	3675	3675	3360	3360	3445	3445	1650	1650	Area
Gradient	0.07206	0.07211	0.00635	0.00582	0.02546	0.02554	0.07493	0.07494	0.04127	0.04126	0.04085	0.04091	Grad
Angle deg	93.81	91.83	111.35	83.52	271.47	269.76	269.92	268.24	266.8	267.39	267.37	266.3	Angle

ELEM	709	710	711	712	713	714	715	716	717	718	719	720	ELEM
Node1	362	362	374	374	370	370	364	364	365	365	366	366	Node1
Node2	402	374	403	370	404	364	405	365	406	366	407	354	Node2
Node3	403	403	404	404	405	405	406	406	407	407	408	408	Node3
Matl	37	37	37	37	37	37	37	37	37	37	37	37	Matl

Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	1975	1975	1405	1405	3090	3090	3130	3130	3665	3665	3795	4870	Area
Gradient	0.03402	0.03429	0.05167	0.05203	0.06122	0.06124	0.04928	0.04983	0.07064	0.07093	0.06798	0.06805	Grad
Angle deg	261.3	253.77	259.31	252.94	255.56	254.73	250.89	243.46	251.62	243.88	242.65	237.12	Angle

ELEM	721	722	723	724	725	726	727	728	729	730	731	732	ELEM
Node1	354	354	343	343	363	363	412	412	361	369	414	414	Node1
Node2	408	343	409	329	395	411	402	413	413	415	413	402	Node2
Node3	409	409	410	410	411	402	411	402	401	414	402	362	Node3
Matl	37	37	37	37	32	32	32	32	32	39	37	37	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	7375	9190	20260	12265	64105.5	80412.5	69654	37350	82722.5	39225	1730	1730	Area
Gradient	0.05963	0.06177	0.04894	0.04849	0.38417	0.28158	0.31638	0.30358	0.28827	0.06752	0.04405	0.04418	Grad
Angle deg	236.23	221.74	220.88	212.91	174.31	172.96	178.75	184.7	187.27	216.37	266.56	263.31	Angle

ELEM	733	734	735	736	737	738	739	740	741	742	743	744	ELEM
Node1	415	415	372	373	417	417	392	379	432	490	490	490	Node1
Node2	414	372	373	416	374	370	342	342	433	431	446	447	Node2
Node3	362	362	416	374	370	364	418	418	490	432	431	446	Node3
Matl	39	39	39	39	39	39	32	32	42	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	39870	46782	43239.5	36771	37273	82594	239509.	377244	3378944	3064848	5589566	2666693	Area
Gradient	0.06759	0.07662	0.07080	0.07246	0.08041	0.08516	0.31689	0.31689	0.05352	0.15895	0.19904	0.19930	Grad
Angle deg	217.11	218.41	208.68	203.12	207.9	211.63	163.76	163.76	182.79	188.74	200.43	201.04	Angle

ELEM	745	746	747	748	749	750	751	752	753	754	755	756	ELEM
Node1	490	490	490	434	435	435	435	436	436	437	437	437	Node1
Node2	514	514	433	448	460	449	436	450	437	451	438	438	Node2
Node3	513	515	515	435	448	460	449	449	450	450	451	421	Node3
Matl	43	42	42	42	42	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	609588.	1782930	2497638	2541308	2233853	2504427	1864796	1552278	1943491	2182138	2319949	1749880	Area
Gradient	0.09548	0.05072	0.05070	0.05493	0.05494	0.06890	0.01878	0.02439	0.03997	0.13203	0.13237	0.03569	Grad
Angle deg	187.34	184.4	187.51	177.28	177.36	160.71	180.58	205.97	181.98	207.23	154.18	179.16	Angle

ELEM	757	758	759	760	761	762	763	764	765	766	767	768	ELEM
Node1	421	422	422	423	501	501	424	424	425	426	426	427	Node1
Node2	438	439	423	440	441	424	442	442	426	443	427	444	Node2
Node3	422	438	439	439	502	441	441	425	442	442	443	443	Node3
Matl	42	42	42	42	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2066921	1690954	1623746	1053331	1040487	1798853	2100178	3537734	2715712	767640	1907214	2603778	Area

Gradient	0.04659	0.15068	0.17697	0.14975	0.04633	0.06540	0.11916	0.05684	0.11447	0.07945	0.08386	0.08927	Grad
Angle deg	187.39	154.87	163.74	168.07	123.93	182.6	162.57	89.32	124.54	146.62	145.23	95.96	Angle

ELEM	769	770	771	772	773	774	775	776	777	778	779	780	ELEM
Node1	427	428	428	429	429	430	446	490	513	459	459	459	Node1
Node2	428	445	429	446	430	446	447	513	512	488	488	460	Node2
Node3	444	444	445	445	446	431	445	447	447	471	460	448	Node3
Matl	41	41	41	41	41	41	41	43	43	42	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	2774184	1995354	2911979	3673185	4131013	5056838	2432345	2020853	706926	187211	194509.	574234	Area
Gradient	0.00787	0.02425	0.02725	0.07262	0.08937	0.10191	0.17181	0.27632	0.27096	0.18229	0.10543	0.12621	Grad
Angle deg	50.28	50.43	293.95	241.69	246.7	243.57	193.27	174.82	165.18	172.83	163.75	176.07	Angle

ELEM	781	782	783	784	785	786	787	788	789	790	791	792	ELEM
Node1	460	460	460	449	449	450	451	462	451	451	439	440	Node1
Node2	487	461	449	462	462	451	463	463	452	439	440	453	Node2
Node3	488	487	461	461	450	462	462	473	439	438	452	452	Node3
Matl	48	48	42	42	42	42	48	48	48	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	192678	279925.	919665	1247598	1945846	1882426	875601	394450.	488486	1633946	947373	575165	Area
Gradient	0.09769	0.08879	0.09822	0.09809	0.09263	0.13106	0.10596	0.12245	0.07202	0.14019	0.14401	0.16607	Grad
Angle deg	183.95	188.22	187	186.16	189.66	209.84	221.29	202.39	152.91	164.64	179.62	175.23	Angle

ELEM	793	794	795	796	797	798	799	800	801	802	803	804	ELEM
Node1	502	502	441	442	442	443	443	444	444	444	445	445	Node1
Node2	454	454	442	455	443	456	444	457	483	445	484	484	Node2
Node3	503	441	454	454	455	455	456	456	457	483	483	447	Node3
Matl	41	41	41	41	41	41	41	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	970235	893315	1190937	1041522	940341	1142821	1577549	1010692	838440.	962803	358470	1217442	Area
Gradient	0.08002	0.06963	0.10629	0.10689	0.08100	0.11300	0.14723	0.24473	0.24441	0.21372	0.21392	0.21295	Grad
Angle deg	173.27	113.71	140.19	139.61	148.28	126.6	125.06	171.91	167.7	175.73	175.81	174.2	Angle

ELEM	805	806	807	808	809	810	811	812	813	814	815	816	ELEM
Node1	523	496	447	512	471	471	487	487	461	461	461	462	Node1
Node2	497	497	512	511	487	487	486	486	485	489	462	473	Node2
Node3	484	498	496	495	470	488	470	461	486	485	489	489	Node3
Matl	42	43	43	43	42	42	42	48	48	48	48	48	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	81175	61050	759617.	97638.5	296663.	186242	97020	84705	98430	414360	521739.	413770	Area
Gradient	0.30915	0.19333	0.28643	0.28780	0.17229	0.18041	0.17266	0.11208	0.11235	0.11035	0.12166	0.13079	Grad
Angle deg	166.78	169.22	169.8	171.98	181.22	182.99	176.39	195.11	195.27	188.59	184.97	188.72	Angle

ELEM	817	818	819	820	821	822	823	824	825	826	827	828	ELEM
Node1	473	473	473	473	451	452	453	503	454	455	455	455	Node1
Node2	476	520	465	463	463	463	464	504	504	504	466	466	Node2
Node3	489	476	474	465	452	453	463	454	455	505	505	456	Node3
Matl	42	42	42	42	48	42	42	41	41	41	41	41	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	178962	139167	279349.	348783	339009	413692.	302966.	502159	760112.	438598	630702	706905	Area
Gradient	0.16632	0.15879	0.18108	0.17704	0.04648	0.17145	0.17272	0.07721	0.16178	0.16513	0.17826	0.22225	Grad
Angle deg	182.85	182.46	190.24	194.09	220.67	192.86	192.4	200.86	155.39	192.99	177.38	170.81	Angle

ELEM	829	830	831	832	833	834	835	836	837	838	839	840	ELEM
Node1	456	457	457	507	457	483	458	458	482	511	470	470	Node1
Node2	466	517	516	468	516	499	491	492	494	510	485	485	Node2
Node3	457	466	517	508	500	484	492	500	481	493	469	486	Node3
Matl	41	42	42	45	42	42	43	43	43	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	555470	210216	158070.	100255.	240649.	177660	8750	50600	41430	68372	215962	113545	Area
Gradient	0.21577	0.26130	0.26030	0.23643	0.26846	0.31102	0.21559	0.20238	0.26167	0.40541	0.17418	0.17461	Grad
Angle deg	177.04	181.5	181.13	178.01	177.18	177.12	177.6	167.05	174.89	168.46	178.33	178.48	Angle

ELEM	841	842	843	844	845	846	847	848	849	850	851	852	ELEM
Node1	485	485	489	476	476	474	518	506	467	467	522	479	Node1
Node2	472	489	477	489	477	473	517	466	478	478	521	521	Node2
Node3	469	472	472	477	520	520	466	505	477	479	472	522	Node3
Matl	42	48	48	42	42	42	42	42	46	46	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	298244	205940	142533	56183.5	31500.5	216485	87225	173496	44075.5	40841	58460	56985	Area
Gradient	0.17274	0.13337	0.15349	0.16130	0.15951	0.17665	0.25239	0.24222	0.14577	0.12531	0.18686	0.15976	Grad
Angle deg	181.8	187.94	194.36	185.02	184.68	186.74	182.84	187.03	171.4	185.72	187.15	187.51	Angle

ELEM	853	854	855	856	857	858	859	860	861	862	863	864	ELEM
Node1	508	468	468	493	510	469	472	464	482	491	468	497	Node1
Node2	509	480	480	480	480	522	521	465	492	492	481	496	Node2
Node3	468	509	481	510	509	472	477	463	481	482	492	447	Node3
Matl	44	44	44	42	42	42	42	42	44	44	44	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	73642.5	75930	92042	44572	90640	113504	73412	264604	38076	15950	101436	294860	Area
Gradient	0.23669	0.21639	0.18662	0.38495	0.32234	0.18256	0.18410	0.17274	0.23225	0.22431	0.21964	0.21292	Grad
Angle deg	178.06	156.73	163.26	163.37	174.71	183.47	188.64	192.35	174.77	178.26	164.49	163.95	Angle

ELEM	865	866	867	868	869	870	871	872	873	874	875	876	ELEM

Node1	457	458	458	483	499	468	480	493	493	494	512	495	Node1
Node2	483	499	497	500	484	500	493	494	494	498	495	494	Node2
Node3	500	500	499	499	497	492	481	481	511	482	496	498	Node3
Matl	42	43	43	42	42	43	43	43	43	43	43	43	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	416524.	39625	15670	175275	133330	88104	80895	81300	97915	24915	143185	67450	Area
Gradient	0.30417	0.23257	0.19622	0.30465	0.30130	0.23797	0.22777	0.24093	0.29458	0.26295	0.27872	0.26903	Grad
Angle deg	176.02	169.84	186.51	178.64	170.53	166.61	170.3	179.38	180.38	173.45	173.48	176.87	Angle

ELEM	877	878	879	880	881	882	883	884	885	886	887	888	ELEM
Node1	495	511	497	482	491	423	423	440	440	453	453	464	Node1
Node2	498	494	491	491	498	501	440	502	453	503	464	504	Node2
Node3	496	495	458	498	497	502	502	503	503	504	504	505	Node3
Matl	43	43	43	44	43	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	94050	69365	25987.5	25601.5	52650	7555	7555	7315	7315	3675	3675	3360	Area
Gradient	0.27816	0.29644	0.21584	0.22865	0.20179	0.03997	0.04000	0.00549	0.00532	0.02027	0.02030	0.04120	Grad
Angle deg	172.53	172.95	183.64	172.99	183.22	93.8	91.75	102.83	82.35	272	271.06	270.52	Angle

ELEM	889	890	891	892	893	894	895	896	897	898	899	900	ELEM
Node1	464	465	465	474	474	467	467	479	479	475	475	469	Node1
Node2	465	505	474	506	519	507	479	508	475	509	469	510	Node2
Node3	505	506	506	518	518	508	508	509	509	510	510	511	Node3
Matl	47	47	47	47	47	47	47	47	47	47	47	47	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3360	3445	3445	1650	1650	1975	1975	1405	1405	3090	3090	3130	Area
Gradient	0.04121	0.03942	0.03942	0.03869	0.03870	0.03490	0.03497	0.04239	0.04260	0.05072	0.05081	0.05123	Grad
Angle deg	267.89	267.8	267.85	267.81	267.35	262.16	257.17	259.45	253.94	256.56	253	253.14	Angle

ELEM	901	902	903	904	905	906	907	908	909	910	911	912	ELEM
Node1	469	470	470	471	471	459	459	448	448	468	468	517	Node1
Node2	470	511	471	512	459	513	448	514	434	500	516	507	Node2
Node3	511	512	512	513	513	514	514	515	515	516	507	516	Node3
Matl	47	47	47	47	47	47	47	47	47	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	3130	3665	3665	3795	4870	7375	9190	20260	12265	64105.5	80412.5	69654	Area
Gradient	0.05149	0.06562	0.06610	0.07167	0.07156	0.06259	0.06458	0.04513	0.04463	0.31222	0.26484	0.27217	Grad
Angle deg	246.2	251.54	242.3	244.62	237.88	237.09	222.61	221.58	212.95	180.15	180.53	181.66	Angle

ELEM	913	914	915	916	917	918	919	920	921	922	923	924	ELEM
Node1	517	466	474	519	519	520	520	477	478	522	522	497	Node1
Node2	518	518	520	518	507	519	477	478	521	479	475	447	Node2

Node3	507	506	519	507	467	467	467	521	479	475	469	523	Node3
Matl	42	42	42	47	47	42	42	42	42	42	42	42	Matl
Soil	2	2	2	2	2	2	2	2	2	2	2	2	Soil
Area ft^2	37350	82722.5	39225	1730	1730	39870	46782	43239.5	36771	37273	82594	239509.	Area
Gradient	0.26644	0.24387	0.14907	0.04002	0.04016	0.15128	0.15475	0.17410	0.16688	0.16868	0.16926	0.30915	Grad
Angle deg	184.99	188.25	194.17	267.43	263.19	191.73	192.67	187.92	192.26	182.34	183.11	166.78	Angle

ELEM	925	ELEM
Node1	484	Node1
Node2	447	Node2
Node3	523	Node3
Matl	42	Matl
Soil	2	Soil
Area ft^2	377244	Area
Gradient	0.30915	Grad
Angle deg	166.78	Angle